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Issued December 31, 1908.

United States Department of Agriculture, FOREST SERVICE.

GIFFORD PINCHOT, Forester.

FIELD PROGRAM FOR JANUARY, 1909.

This program of field work and assignments in the Forest Service is issued on the first day of each month, and is for the exclusive use of members of the Service and cooperating Bureaus. The names of members whose assignments are not yet fixed and reference to projects for which plans have not been matured are necessarily omitted. All orders and other instructions printed in the Field Program will apply to all Districts.

It is requested that the members of the Forest Service cooperate in making this program complete and accurate.

Unless the address of a member is given in this program or is definitely known, he should be addressed in care of the Forest Service, Washington, D. C.

OFFICE OF THE FORESTER.

GIFFORD PINCHOT, Forester.
OVERTON W. PRICE, Associate Forester.

HARRY L. HILL, Secretary to the Forester.

P. P. WELLS, Law Officer.

A. C. SHAW, Principal Examiner.

HERBERT A. SMITH, Editor.

GEORGE B. SUDWORTH, Dendrologist.

R. S. KELLOGG, Assistant Forester, engaged upon forest statistics.

D. D. BRONSON,
R. E. BENEDICT, } General Inspectors.

E. M. GRIFFITH, Special Inspector, for Indian Reservations in Wisconsin, Madison, Wis.

EUGENE S. BRUCE, Expert Lumberman.

OPERATION.

JAMES B. ADAMS, Assistant Forester, in Charge.
CHAS. S. CHAPMAN, Assistant Forester.
H. B. CRAMER, Fiscal Agent.
GEORGE G. ANDERSON, Assistant in Office Methods.

OCCUPANCY.

M. J. McVEAN, Chief.

ACCOUNTS.

W. R. FUCHS, District Fiscal Agent.

GEOGRAPHY.

F. G. PLUMMER, Chief.

Atlas , G. B. BRUCE, Acting.	Drafting , C. A. KOLB.
Alienation , J. B. SATTERLEE.	Photography , A. G. VARELA.

MAINTENANCE.

GEORGE A. BENTLEY, Acting Chief.

SILVICULTURE.

WILLIAM T. COX, Assistant Forester, in Charge.
E. E. CARTER, Assistant Forester.

FEDERAL COOPERATION.

A. B. PATTERSON, Chief.

PROJECTS.

Wisconsin—

Timber work on the Menominee Indian Reservation—**E. A. BRANIFF**, Neopit, Wis.; assistants, **J. A. HOWARTH**, **W. E. LA FOUNTAIN**, and **W. S. UHLER**.

Supervision of logging on Indian reservations in northern Wisconsin and Michigan—**J. R. FARR**, Phillips, Wis.

Timber work on the Bad River Indian Reservation—**MARK BURNS**, Ashland, Wis.

STATE AND PRIVATE COOPERATION.

J. G. PETERS, Acting Chief.

PROJECTS.

Alabama—

Preliminary examination of forest conditions, in cooperation with the State Commission of Forestry—**J. H. FOSTER**, Montgomery.

Kansas—

Preparation of report on study of catalpa plantations—**A. E. OMAN**, Washington, D. C.

Kentucky—

Preparation of report on forest conditions, in cooperation with State Board of Agriculture, Forestry, and Immigration—**J. S. HOLMES**, **E. D. CLARK**, **R. C. HALL**, **W. B. WILLEY**, and **G. T. BACKUS**, all at Washington, D. C.

Michigan—

Preliminary examination of forest conditions, in cooperation with the State Forestry Commission—**WESLEY BRADFIELD** and **A. A. WYNNE**, both at Grand Rapids.

Montana—

Preparation of report on forest lands, in cooperation with the Northern Pacific Railway Company—K. W. WOODWARD, W. B. PIPER, J. ST. J. BENEDICT, and L. S. MURPHY, all at Washington, D. C.

General studies—

Seed testing and seed storage—W. H. von BAYER and N. H. GRUBB, both at Washington, D. C.

SILVICS.

RAPHAEL ZON, Chief (in the Field).

S. T. DANA, Acting Chief.

PROJECTS.**Central States—**

Study of the ashes—W. T. STONE, Frankfort, Ind.

Middle West—

Study of windbreaks and their influences—C. G. BATES, Washington, D. C.

Southern States—

Study of bald cypress—F. T. MCLEAN, Jeanerette, La.

Library, Miss H. E. STOCKBRIDGE.

Compilation, E. H. FROTHINGHAM.

GRAZING.

A. F. POTTER, Assistant Forester, in Charge.

L. F. KNEIPP, Assistant Forester (in the Field).

WILL C. BARNES, Acting as Assistant Chief.

PROJECTS.

Cooperative studies; private and state lands—W. C. CLOS, Washington, D. C.

Forage investigations; compilation of data—F. V. COVILLE, Botanist, Bureau of Plant Industry, in charge, Washington, D. C.; JAMES T. JARDINE, Expert, and ARTHUR T. SAMPSON, Plant Ecologist, both at Washington, D. C.

Identification of grasses and plants—Dr. EDWARD L. GREENE, Consulting Expert, Washington, D. C.

Poisonous plant investigations—Prof. C. D. MARSH, Expert, Bureau of Plant Industry, in charge, Washington, D. C.; IVAR TIDESTROM, Scientific Assistant, Washington, D. C.

Market investigations; compilation of data—H. L. BENHAM, Grazing Assistant, Denver, Colo.

PRODUCTS.

WM. L. HALL, Assistant Forester, in Charge.

WOOD UTILIZATION.

McGARVEY CLINE, Chief.

H. S. BETTS, Assistant Chief.

PROJECTS.**Turpentining studies—**

Chipping experiments—P. D. EDMUNDS, Green Cove Springs, Fla.

Statistics on production—J. O. LA FONTSEE, Washington, D. C.

Effects of different methods of turpentining—A. L. BROWER, Washington, D. C.

Computing, E. A. ZIEGLER.**PROJECTS.**

Compilation of forest tables—E. A. ZIEGLER and W. B. BARROWS, both at Washington, D. C.

Computing—Silvical data; timber tests; timber sales.

Wood Chemistry, H. S. BRISTOL.**PROJECTS.**

Study of methods of wood distillation and for the standardization and grading of turpentines—L. F. HAWLEY, Washington, D. C.; assistant, F. E. LICHTENTHAELER, 88 Broad street, Boston, Mass.

Experiments with various woods and waste materials for paper pulp—E. SUTERMEISTER; assistant, H. E. SURFACE, both at Washington, D. C.

Study of wood preservatives and of chemical problems in wood utilization—E. BATEMAN; assistant, C. F. SPEH, both at Washington, D. C.

Wood Uses, ROLF THELEN, Acting.**PROJECTS.****Connecticut—**

Effect of drying on strength of timber, in cooperation with Yale University—H. D. TIEMANN, Yale Station, New Haven; assistants, H. E. MCKENZIE and CORNELIUS BARRY.

Indiana—

Tests of structural timbers, including several hickories, in cooperation with Purdue University, the Illinois Central Railway Company, and the National Hickory Association—W. K. HATT, Purdue University, La Fayette; assistants, J. A. NEWLIN, J. O. BIXBY, WILLIAM D. DUDDING, T. LYONS, and H. WEYLS.

General Studies—

Collection of statistics of forest products, in cooperation with the Bureau of the Census—A. H. PIERSON, Washington, D. C.; GEORGE K. SMITH, Lumbermen's Building, St. Louis, Mo.

Studies in the heat conductivity of wood—FREDERICK DUNLAP, Washington, D. C.

Study of wood-using industries and markets for forest products—H. S. SACKETT, Washington, D. C.; FRANKLIN H. SMITH, 776 Federal Building, Chicago, Ill.

Microscopic study of the mechanical failure of wood—W. D. BRUSH, Washington, D. C.

WOOD PRESERVATION.**W. F. SHERFESEE, Chief.****PROJECTS.**

Compilation of data on wood preservation—M. C. JENSEN, Washington, D. C.

Cooperation, JOHN M. NELSON, Jr.**Alabama—**

Construction and experimental operation of a wood-preserving plant, in cooperation with the Tennessee Coal, Iron and Railroad Company—EDWARD H. FORD, Birmingham.

Indiana—

Supervising the preparation of designs for a treating plant, in cooperation with the Indianapolis, Columbus, and Southern Traction Company—E. W. PETERS, Washington, D. C.

Iowa—

Preservative treatment of fence posts and other farm timbers, in cooperation with the State College Experiment Station—Prof. C. A. SCOTT, Ames.

Louisiana—

Experimental operation of a plant for the preservative treatment of telephone poles, in cooperation with the North Louisiana Telephone Company—**HARRY M. MASON, Jr.**, Winnfield.

Experiments in treating the products of southern lumber mills, in cooperation with the Great Southern Lumber Company—**CHARLES T. BARNUM**, Bogalusa.

Minnesota—

Preservative treatment of fence posts and other farm timbers, in cooperation with the University of Minnesota—**C. P. WILLIS**, St. Anthony Park, St. Paul.

Pennsylvania—

Experimental operation of a wood-preserving plant, in cooperation with the Philadelphia and Reading Coal and Iron Company—**JOHN M. NELSON, Jr.**, Washington, D. C.; assistant, detailed by the company, **L. W. CONRAD**, Pottsville, Pa.

Experimental operation of a wood-preserving plant for the treatment of mine and railway timbers, in cooperation with the Delaware, Lackawanna and Western Railroad Company—**C. P. WINSLOW**, Hotel Terminal, Wilkes-Barre, Pa.

Research, HOWARD F. WEISS.

PROJECTS.**General Studies—**

Special investigations and studies of problems in wood preservation—**WALTER F. STUTZ**, Washington, D. C.

Supervision of the construction of an experimental laboratory—**HOWARD F. WEISS**, Washington, D. C.

PUBLICATION.

FINDLEY BURNS, Chief.

Review, BRISTOW ADAMS.

Education, DON CARLOS ELLIS, Acting.

Distribution, WILLIS G. BROWN.

PUBLICATIONS IN DECEMBER.

Circular 156.—Preliminary Report on Grazing Experiments in a Coyote-proof Pasture.

Circular 158.—The Revegetation of Overgrazed Range Areas.

DISTRICTS.

DISTRICT 1.

Montana, northeastern Washington, northern Idaho, northern Wyoming, and northwestern South Dakota.

Office, Hammond Block, Missoula, Mont.

W. B. GREELEY, District Forester.

F. A. SILCOX, Assistant District Forester.

W. M. AIKEN, District Law Officer.

OPERATION.

R. H. RUTLEDGE, Chief.

R. Y. STUART, Assistant Chief.

Organization, Chief and Assistant Chief of Operation.

Engineering, J. P. MARTIN.

Occupancy, P. D. KELLETER.

Accounts, H. I. LOVING, District Fiscal Agent.

Maintenance, R. L. CAMPBELL.

SILVICULTURE.

A. W. COOPER, Chief.

D. T. MASON, Assistant Chief.

Timber Sales, Chief and Assistant Chief of Silviculture.

PROJECTS.

Examination of timber on the Pryor Mountains, Beartooth National Forest, for the purpose of framing a sale policy—**J. F. PRESTON**, Red Lodge, Mont.

Spokane and International Railway timber settlement, Pend Oreille National Forest; Field examination and estimate—**J. D. WARNER**, Sand Point, Idaho.

Check scaling, Bighorn National Forest—**G. L. COTT**, Lumberman, Bighorn, Wyo.

Supervision of timber sales and scaling, Missoula National Forest—**A. J. NORTON**, Lumberman, Missoula, Mont.

Examination of Indian Lands, Flathead Indian Reservation—**F. X. SALZMAN**, Lumberman, Missoula, Mont.

Planting, E. C. CLIFFORD.

Silvics, E. I. TERRY.

GRAZING.

C. H. ADAMS, Chief.

W. S. PERRINE, Assistant Chief.

PRODUCTS.

W. R. WHEATON, Chief.
F. I. ROCKWELL, Assistant Chief.

NATIONAL FORESTS.

IDAHO.

Beaverhead—See Montana.
Clearwater—F. A. FENN, Forest Supervisor, Kooskia.
Coeur d'Alene—W. G. WEIGLE, Forest Supervisor, Wallace; RUTLEDGE PARKER, Forest Assistant.
Kaniksu—See Washington.
Nezperce—GEO. V. RING, Acting Forest Supervisor, Grangeville.
Pend Oreille—J. E. BARTON, Forest Supervisor, Sandpoint.

MONTANA.

Absaroka—V. GIFFORD LANTRY, Forest Supervisor, Livingston.
Beartooth—E. C. RUSSELL, Forest Supervisor, Red Lodge.
Beaverhead—C. K. WYMAN, Forest Supervisor, Dillon; R. J. MOORE, Deputy Forest Supervisor.
Bitterroot—W. W. WHITE, Forest Supervisor, Missoula.
Blackfeet—F. N. HAINES, Forest Supervisor, Kalispell; C. N. WHITNEY, Forest Assistant.
Cabinet—RALPH H. BUSHNELL, Acting Forest Supervisor, Thompson Falls.
Custer—GLEN A. SMITH, Acting Forest Supervisor, Ashland.
Deerlodge—C. C. HALL, Forest Supervisor, Anaconda; F. S. PATTON, Forest Assistant.
Flathead—PAGE S. BUNKER, Forest Supervisor, Kalispell.
Gallatin—D. T. CONKLING, Forest Supervisor, Bozeman; A. A. SAUNDERS, Forest Assistant.
Helena—DWIGHT BUSHNELL, Forest Supervisor, Helena.
Jefferson—HERBERT GRAFF, Acting Forest Supervisor, Great Falls.
Kootenai—C. E. SCHOONOVER, Forest Supervisor, Libby.
Lewis and Clark—W. H. DAUGS, Forest Supervisor, Chouteau.
Lolo—ELERS KOCH, Forest Supervisor, Missoula; M. N. STICKNEY, Forest Assistant.
Madison—CLIFTON W. HUDSON, Acting Forest Supervisor, Sheridan.
Missoula—D. G. KINNEY, Forest Supervisor, Missoula.
Sioux—See South Dakota.

SOUTH DAKOTA.

Sioux—C. A. BALLINGER, Forest Supervisor, Camp Crook.

WASHINGTON.

Kaniksu—J. B. SEELY, Forest Supervisor, Newport; W. N. MILLER, Forest Assistant.

WYOMING.

Bighorn—W. E. JACKSON, Forest Supervisor, Big Horn; WM. C. LATANE, Forest Assistant.
Shoshone—H. W. THURSTON, Forest Supervisor, Cody.

DISTRICT 2.

Colorado, southern Wyoming, South Dakota, northwestern Minnesota, Nebraska, western Kansas, and southeastern Utah.

Office, Majestic Building, Denver, Colo.

SMITH RILEY, District Forester.
P. G. REDINGTON, Assistant District Forester.

G. S. ARNOLD, District Law Officer.

OPERATION.

FRED W. MORRELL, Chief.
C. J. STAHL, Assistant Chief.

Organization, Chief and Assistant Chief of Operation.
Engineering, R. E. MESNARD.
Occupancy, FRED LEES.
Accounts, E. A. MELZAR, District Fiscal Agent.
Maintenance, J. W. DILLY.

SILVICULTURE.

A. K. CHITTENDEN, Chief.
S. L. MOORE, Assistant Chief.

Timber Sales, Chief and Assistant Chief of Silviculture.
Planting, L. C. MILLER.
Silvics, C. G. BATES.

GRAZING.

J. W. NELSON, Chief.
E. N. KAVANAGH, Assistant Chief.

PRODUCTS.

C. L. HILL, Chief.
G. R. OGIER, Assistant Chief.

NATIONAL FORESTS.**COLORADO.**

Arapaho—C. G. POOLE, Acting Forest Supervisor, Sulphur Springs; J. A. McNAMARA, Deputy Forest Supervisor.
Battlement—DAVID ANDERSON, Forest Supervisor, Collbran; JOHN W. LOWELL, Jr., Deputy Forest Supervisor.
Cochetopa—EUGENE WILLIAMS, Forest Supervisor, Saguache.
Gunnison—Wm. R. KREUTZER, Forest Supervisor, Gunnison; E. C. BERKY, Deputy Forest Supervisor.
Hayden—See Wyoming.
Holy Cross—HARRY H. FRENCH, Forest Supervisor, Glenwood Springs; JOHN McLAREN, Deputy Forest Supervisor; JAY HIGGINS, Forest Assistant.
La Salle—See Utah.
Las Animas—C. A. WHITNEY, Acting Forest Supervisor, La Veta.
Leadville—A. L. STROUP, Forest Supervisor, Leadville; J. F. BRUINS, Deputy Forest Supervisor; JAY HIGGINS, Forest Assistant.
Medicine Bow—C. M. GRANGER, Acting Forest Supervisor, Fort Collins.
Montezuma—RESS PHILLIPS, Forest Supervisor, Mancos.
Pike—C. W. FITZGERALD, Forest Supervisor, Denver; W. J. MORRILL, Deputy Forest Supervisor; H. C. NEEL, Forest Assistant; Pikes Peak Planting Station—W. SCHRADER, Forest Planting Assistant, Monument.
Rio Grande—F. C. SPENCER, Forest Supervisor, Monte Vista; P. T. COOLIDGE, Forest Assistant.
Routt—J. H. RATLIFF, Acting Forest Supervisor, Steamboat Springs.
San Isabel—J. N. LANGWORTHY, Acting Forest Supervisor, Westcliffe.
San Juan—ERNEST W. SHAW, Forest Supervisor, Durango; A. L. SWEITZER, Deputy Forest Supervisor; PETER KEPLINGER, Forest Assistant.
Uncompahgre—HENRY L. SPENCER, Acting Forest Supervisor, Delta; J. H. RAMSKILL, Forest Assistant.
White River—JAMES A. BLAIR, Forest Supervisor, Meeker; I. T. WORTHLEY, Forest Assistant.

KANSAS.

Kansas—B. R. H. d'ALLEMAND, Acting Forest Supervisor, Garden City; Garden City Planting Station—C. R. TAYLOR, Forest Planting Assistant.

MINNESOTA.

Minnesota—G. E. MARSHALL, Forest Supervisor, Cass Lake.

NEBRASKA.

Nebraska—W. H. MAST, Forest Supervisor, Halsey; H. R. SHOCKLEY, Deputy Forest Supervisor; Halsey Planting Station—L. BESLEY and C. R. BECHTLE, Forest Planting Assistants.

NORTH DAKOTA.

Dakota—Not under administration.

SOUTH DAKOTA.

Black Hills—E. M. HAMILTON, Forest Supervisor, Deadwood; A. L. LYNN, Deputy Forest Supervisor; JOHN MURDOCH, Jr., and ROBERT E. CLARK, Forest Assistants.

WYOMING.

Cheyenne—P. S. LOVEJOY, Acting Forest Supervisor, Saratoga; R. A. STRETCH and ARTHUR M. COOK, Forest Assistants.

Hayden—JAMES BLACKHALL, Acting Forest Supervisor, Encampment.

Sundance—G. C. SMITH, Acting Forest Supervisor, Sundance.

DISTRICT 3.

Arizona, Arkansas, New Mexico, and Oklahoma.

Office, Strickler-Luna Building, Albuquerque, N. Mex.

A. C. RINGLAND, District Forester.

E. H. CLAPP, Assistant District Forester.

H. B. JAMISON, District Law Officer.

OPERATION.

A. C. WAHA, Chief.

R. G. WILSON, Assistant Chief.

Organization, Chief and Assistant Chief of Operation.

Engineering. E. H. JONES.

Occupancy, H. H. HARRIS.

Accounts, J. J. DUFFY, District Fiscal Agent.

Maintenance, W. B. BUNTON.

SILVICULTURE.

T. S. WOOLSEY, Jr., Chief.

A. B. RECKNAGEL, Assistant Chief.

Timber Sales, Chief and Assistant Chief of Silviculture.

Planting, A. S. PECK.

R. L. ROGERS, Assistant.

Silvics, W. R. MATOON.

G. A. PEARSON, Assistant, Coconino Forest Experiment Station, Flagstaff, Ariz.

GRAZING.

J. K. CAMPBELL, Chief.

JOHN KERR, Assistant Chief.

PRODUCTS.

O. T. SWAN, Chief.

NATIONAL FORESTS.

ARIZONA.

Apache—JOHN D. GUTHRIE, Acting Forest Supervisor, Springerville.
Chiricahua—A. H. ZACHAU, Acting Forest Supervisor, Douglas; H. D. BURRALL, Forest Assistant.
Coconino—F. C. W. POOLER, Forest Supervisor, Flagstaff; W. M. DRAKE, Forest Assistant.
Coronado—ROBERT J. SELKIRK, Forest Supervisor, Benson.
Crook—T. T. SWIFT, Forest Supervisor, Safford.
Garces—W. H. B. KENT, Forest Supervisor, Nogales.
Prescott—C. H. HINDERER, Forest Supervisor, Prescott.
Sitgreaves—ALEX. J. MACKAY, Forest Supervisor, Snowflake.
Tonto—W. H. REED, Forest Supervisor, Roosevelt; J. W. FARMER, Deputy Forest Supervisor.

ARKANSAS.

Arkansas—S. J. RECORD, Forest Supervisor, Mena; FRANCIS KIEFER, Forest Assistant.
Ozark—DAVID E. FITTON, Forest Supervisor, Harrison; W. F. HILL, Deputy Forest Supervisor.

FLORIDA.

Choctawatchee}—Not under administration.
Ocala

NEW MEXICO.

Alamo—ARTHUR M. NEAL, Forest Supervisor, Alamogordo; L. L. JANES, Forest Assistant.
Carson—Ross McMILLAN, Forest Supervisor, Santa Fe; THOS. R. STEWART, Deputy Forest Supervisor.
Chiricahua—See Arizona.
Datil—W. H. GODDARD, Forest Supervisor, Magdalena; R. F. BALTHIS, Forest Assistant.
Gila—DOUGLAS RODMAN, Acting Forest Supervisor, Silver City; FRANK E. ANDREWS, Deputy Forest Supervisor; Fort Bayard Planting Station—H. C. TURNER and A. HEDRICKS, Forest Planting Assistants.
Jemez—Ross McMILLAN, Forest Supervisor, Santa Fe; THOS. R. STEWART, Deputy Forest Supervisor; HARRY POOLER, Forest Agent.
Lincoln—J. H. KINNEY, Forest Supervisor, Capitan.
Magdalena—W. H. GODDARD, Forest Supervisor, Magdalena; R. F. BALTHIS, Forest Assistant.
Manzano—A. D. READ, Forest Supervisor, Albuquerque.
Pecos—Ross McMILLAN, Forest Supervisor, Santa Fe; THOS. R. STEWART, Deputy Forest Supervisor; Las Gallinas Planting Station—W. D. HAYES, Forest Assistant.

OKLAHOMA.

Wichita—FRANK RUSH, Acting Forest Supervisor, Cache.

DISTRICT 4.

Utah, southern Idaho, western Wyoming, eastern Nevada, and northwestern Arizona.

Office, First National Bank Building, Ogden, Utah.

CLYDE LEAVITT, District Forester.

FRANKLIN W. REED, Assistant District Forester.

W. C. HENDERSON, District Law Officer.

OPERATION.

R. P. IMES, Chief.
E. H. CLARKE, Assistant Chief.

Organization, Chief and Assistant Chief of Operation.
Engineering, A. T. MITCHELSON.
Occupancy, TIMOTHY C. HOYT.
Accounts, Q. R. CRAFT, District Fiscal Agent.
Maintenance, R. E. CONNER.

SILVICULTURE.

L. L. WHITE, Chief.
O. M. BUTLER, Assistant Chief.

Timber Sales, Chief and Assistant Chief of Silviculture.
Planting, J. M. FETHEROLE.
Silvics, E. R. HODSON.

GRAZING.

HOMER E. FENN, Chief.
A. C. McCAIN, Assistant Chief.

PRODUCTS.

H. B. HOLROYD, Acting Chief.

SUPPLY DEPOT.

A. M. SMITH, Property Clerk.

PROPERTY AUDIT.

J. G. FALK, Property Auditor.

NATIONAL FORESTS.**ARIZONA.**

Dixie—See Utah.
Kaibab—See Utah.

IDAHO.

Boise—E. GRANDJEAN, Forest Supervisor, Boise; WALTER A. HOPSON, Forest Assistant.
Cache—See Utah.
Caribou—J. T. WEDEMEYER, Forest Supervisor, Idaho Falls.
Challis—DAVID LAING, Forest Supervisor, Challis.
Idaho—HENRY A. BERGH, Forest Supervisor, Meadows.
Lemhi—JOHN W. HAYS, Jr., Acting Forest Supervisor, Mackay.
Minidoka—WM. MCCOY, Forest Supervisor, Oakley.
Payette—GUY B. MAINS, Forest Supervisor, Emmett.
Pocatello—CLINTON G. SMITH, Forest Supervisor, Pocatello; Pocatello Planting Station—P. T. WRENSTED, Forest Ranger.
Salmon—GEORGE G. BENTZ, Forest Supervisor, Salmon City; JAS. M. RYAN, Deputy Forest Supervisor.
Sawtooth—C. N. WOODS, Forest Supervisor, Hailey; H. G. MCPHETERS, Deputy Forest Supervisor.
Targhee—DAVID BARNETT, Forest Supervisor, St. Anthony; FOSTER STEELE, Deputy Forest Supervisor.
Weiser—J. B. LAFFERTY, Forest Supervisor, Weiser; W. M. CAMPBELL, Deputy Forest Supervisor.

NEVADA.

Humboldt—C. SYDNEY TREMEWAN, Forest Supervisor, Elko.
Moapa—HARRY E. MATHEWS, Acting Forest Supervisor, Las Vegas.
Toiyabe—M. S. BENEDICT, Acting Forest Supervisor, Austin.

UTAH.

Ashley—W. M. ANDERSON, Acting Forest Supervisor, Vernal.
Cache—W. W. CLARK, Forest Supervisor, Logan; J. F. SQUIRES, Deputy Forest Supervisor; J. E. ROTHERY, Forest Assistant; C. A. LEWIS, Forest Assistant.
Dixie—C. I. HUDDLE, Acting Forest Supervisor, St. George.
Fillmore—WM. HURST, Forest Supervisor, Beaver.
Fishlake—N. E. SNELL, Forest Supervisor, Salina.
Kaibab—J. H. CLARK, Forest Supervisor, Kanab; DANIEL K. JUDD, Deputy Forest Supervisor.
La Salle—JOHN RIIS, Acting Forest Supervisor, Moab.
Manti—A. W. JENSEN, Forest Supervisor, Ephraim.
Minidoka—See Idaho.
Nebo—DAN S. PACK, Forest Supervisor, Payson.
Pocatello—See Idaho.
Powell—GEO. H. BARNEY, Forest Supervisor, Escalante.
Sevier—O. C. SNOW, Forest Supervisor, Panguitch; FRANK W. SEAMAN, Deputy Forest Supervisor.
Uinta—W. I. PACK, Forest Supervisor, Provo; R. V. R. REYNOLDS, Forest Assistant.
Wasatch—C. F. COOLEY, Acting Forest Supervisor, Salt Lake City; Wasatch Planting Station—N. J. FETHEROLF, Forest Planting Assistant.

WYOMING.

Ashley—See Utah.
Bonneville—ZEPH JONES, Forest Supervisor, Pinedale; H. EARLE FRENCH, Forest Assistant.
Caribou—See Idaho.
Targhee—See Idaho.
Teton—R. E. MILLER, Forest Supervisor, Jackson.
Wyoming—JOHN RAPHAEL, Forest Supervisor, Afton.

DISTRICT 5.

California and southwestern Nevada.

Office, First National Bank Building, San Francisco, Cal.

F. E. OLMS TED, District Forester,
COERT DUBOIS, Assistant District Forester.

E. A. LANE, District Law Officer.

OPERATION.

R. L. FROMME, Chief.
ROY HEADLEY, Assistant Chief.

Organization, Chief and Assistant Chief of Operation.
Engineering, F. C. WALES.
Occupancy, BLAKE FRANKLIN.
Accounts, J. S. SWAN, District Fiscal Agent.
Maintenance, A. L. DAHL.

SILVICULTURE.

G. M. HOMANS, Chief.
T. D. WOODBURY, Assistant Chief.

Timber Sales, Chief and Assistant Chief of Silviculture.
Planting, G. W. PEAVY.
Silvics, F. R. COOPER.

GRAZING.

JOHN H. HATTON, Chief.
M. B. ELLIOTT, Assistant Chief.

PRODUCTS.

L. E. HUNT, Chief.
C. S. SMITH, Assistant Chief.

NATIONAL FORESTS.

CALIFORNIA.

Angeles—R. H. CHARLTON, Forest Supervisor, Los Angeles; ERNEST B. LONG, Deputy Forest Supervisor; Lytle Creek Planting Station; SEROPE Y. PARNAY and F. L. RICKY, Forest Planting Assistants, San Bernardino

California—ERNEST BRITTEN, Forest Supervisor, Willows.

Cleveland—H. A. E. MARSHALL, Forest Supervisor, San Diego; ARTHUR W. BARTLETT, Deputy Forest Supervisor.

Inyo—A. H. HOGUE, Forest Supervisor, Bishop.

Klamath—FRANK HARLEY, Acting Forest Supervisor, Yreka; F. W. HARLEY, Deputy Forest Supervisor; R. G. POND, Forest Assistant.

Lassen—L. A. H. KLING, Forest Supervisor, Red Bluff; J. C. LA PLANT, Deputy Forest Supervisor.

Modoc—C. E. RACHFORD, Acting Forest Supervisor, Alturas.

Mono—See Nevada.

Monterey—N. O. TORSTENSEN, Forest Supervisor, Salinas.

Plumas—L. A. BARRETT, Forest Supervisor, Quincy; W. G. DURBIN, Deputy Forest Supervisor; J. R. HALL, Forest Assistant.

San Luis—E. S. MAINWARING, Forest Supervisor, San Luis Obispo.

Santa Barbara—WILLIS M. SLOSSON, Forest Supervisor, Santa Barbara; H. G. MERRILL, Deputy Forest Supervisor.

Sequoia—E. A. SHERMAN, Forest Supervisor, Hot Springs; W. C. BURTON, Deputy Forest Supervisor; W. M. MAULE, Forest Assistant.

Shasta—W. B. RIDER, Forest Supervisor, Sisson; R. F. HAMMETT, Deputy Forest Supervisor.

Sierra—C. H. SHINN, Forest Supervisor, Northfork; H. J. TOMPKINS, Forest Assistant; WM. G. HOWARD, Forest Assistant.

Stanislaus—R. W. AYRES, Forest Supervisor, Sonora; D. N. ROGERS, Forest Assistant.

Tahoe—R. L. P. BIGELOW, Forest Supervisor, Nevada City; M. B. PRATT, Forest Assistant.

Trinity—F. H. HAFLEY, Forest Supervisor, Weaverville; W. A. HUESTIS, Deputy Forest Supervisor.

NEVADA.

Inyo—See California.

Mono—J. C. WELLS, Acting Forest Supervisor, Gardnerville.

Tahoe—See California.

DISTRICT 6.

Washington, Oregon, a small portion of northern California, and Alaska.

Office, Beck Building, Portland, Oreg.

E. T. ALLEN, District Forester.
GEO. H. CECIL, Assistant District Forester.

C. R. PIERCE, District Law Officer.

OPERATION.

C. H. FLORY, Chief.
C. J. BUCK, Assistant Chief.

Organization, Chief and Assistant Chief of Operation.

Engineering, W. E. HERRING.

Occupancy, W. F. STALEY.

Accounts, A. H. COUSINS, District Fiscal Agent.

Maintenance, SHIRLEY BUCK.

SILVICULTURE.

F. E. AMES, Chief.

C. S. JUDD, Assistant Chief.

Timber Sales, Chief and Assistant Chief of Silviculture.

Planting, J. F. KUMMEL.

Silvics, T. T. MUNGER.

GRAZING.

HOWARD K. O'BRIEN, Chief.

T. P. MCKENZIE, Assistant Chief.

PRODUCTS.

J. B. KNAPP, Chief.

H. B. OAKLEAF, Assistant Chief.

NATIONAL FORESTS.

ALASKA.

Chugach—W. A. LANGILLE, Forest Supervisor, Ketchikan; HOWARD M. CONRAD, Deputy Forest Supervisor; LAGE WERNSTEDT, Forest Assistant.

Tongass—W. A. LANGILLE, Forest Supervisor, Ketchikan; HOWARD M. CONRAD, Deputy Forest Supervisor; LAGE WERNSTEDT, Forest Assistant.

CALIFORNIA.

Crater—See Oregon.

Siskiyou—See Oregon.

OREGON.

Cascade—C. R. SEITZ, Forest Supervisor, Eugene; J. R. HARVEY, Deputy Forest Supervisor; CHESTER B. COX, Forest Assistant.

Columbia—H. O. STABLER, Forest Supervisor, Portland; ARTHUR R. WILCOX, Forest Assistant.

Crater—M. L. ERICKSON, Forest Supervisor, Medford; S. S. SWEENING, Deputy Forest Supervisor; H. D. FOSTER, Forest Assistant.

Deschutes—A. S. IRELAND, Forest Supervisor, Prineville.

Fremont—GUY M. INGRAM, Forest Supervisor, Lakeview; G. D. BROWN, Deputy Forest Supervisor.

Malheur—CY. J. BINGHAM, Forest Supervisor, John Day.

Oregon—T. H. SHERRARD, Forest Supervisor, Portland; RALPH S. SHELLEY, Deputy Forest Supervisor.

Siskiyou—M. J. ANDERSON, Forest Supervisor, Grants Pass; HUGH M. GUTHRIE, Deputy Forest Supervisor; H. HAEFNER, Forest Assistant.

Siuslaw—A. E. COHOON, Forest Supervisor, Eugene.

Umatilla—THOS. E. CHIDSEY, Forest Supervisor, Heppner.

Umpqua—S. C. BARTRUM, Forest Supervisor, Roseburg; H. M. HALE, Deputy Forest Supervisor.

Wallowa—HARVEY W. HARRIS, Acting Forest Supervisor, Wallowa.

Wenaha—See Washington.

Whitman—HENRY IRELAND, Forest Supervisor, Sumpter.

WASHINGTON.

Chelan—GEORGE W. MILHAM, Forest Supervisor, Chelan.

Columbia—See Oregon.

Colville—W. W. CRYDER, Forest Supervisor, Republic.

Olympic—FRED HANSON, Forest Supervisor, Hoodspoint.

Rainier—G. F. ALLEN, Forest Supervisor, Orting; F. B. KELLOGG, Forest Assistant.

Snoqualmie—B. P. KIRKLAND, Forest Supervisor, Seattle; E. T. CLARK, Forest Assistant.

Washington—C. H. PARK, Acting Forest Supervisor, Bellingham.

Wenaha—J. M. SCHMITZ, Forest Supervisor, Walla Walla.

Wenatchee—A. H. SYLVESTER, Forest Supervisor, Leavenworth; A. A. PARKER, Deputy Forest Supervisor; FRED W. CLEATOR, Forest Assistant.

SERVICE CHANGES IN DECEMBER.**PROMOTED.****District 3—**

ARTHUR C. RINGLAND, District Forester; HARRY H. POOLER, Forest Agent.

District 5—

OPERATION: RUDO L. FROMME, Chief; ROY HEADLEY, Assistant Chief.

District 6—

OPERATION: CHARLES H. FLORY, Chief.

RESTORED TO THE ROLLS WITH PAY.**District 4—**

C. L. SMITH, Forest Supervisor, Lemhi National Forest.

REINSTATED.**District 3—**

W. H. KOBBE, Forest Assistant.

TRANSFERRED.**District 3—**

Silviculture: HARRY H. POOLER, Forest Agent, to Operation.

CHANGE IN DESIGNATION.**District 4—**

DAN S. MARSHALL, Uinta National Forest, from Deputy Forest Supervisor to Forest Ranger.

FURLoughED.**District 1—**

OPERATION: H. M. BOOTH, Expert Miner.

District 3—

W. H. REED, Forest Supervisor, Tonto National Forest.

SUSPENDED.**District 1—**

R. W. STUART, Forest Supervisor, Jefferson National Forest.

SEPARATED.**District 1—**

OPERATION: O. C. MORTSON, Assistant Land Examiner.

DISMISSED.**District 6—**

OPERATION: A. L. THAYER, Expert Field Examiner of Claims.

With deep regret announcement is made of the death, through accident, while on duty, on November 28, of JAMES LEATHAM, Deputy Forest Ranger, Cache National Forest.

SERVICE NOTES FOR JANUARY.

These notes contain instructions and necessary information for Forest officers, and will, therefore, be carefully read and kept on file for reference.

OFFICE OF THE FORESTER.

LAW.

Manual of Procedure Amended—

The sentence "Areas will be given so far as shown by the record," beginning on line 6, page 82 of the Manual of Procedure, should be amended to read: "Areas and the amount of timber will be given so far as shown by the record."

Trespass: Criminal Prosecution—

J. D. Combs pleaded guilty in the United States district court for Oregon of driving cattle across the Deschutes National Forest without a permit. He was fined \$50 and costs, which he paid.

Dates for Hearings on Claims to Land—

The District Foresters should request supervisors to inform them promptly of dates fixed by local land officers for hearings on claims to lands in their respective Forests.

OPERATION.

Working Map for Improvement Estimates—

The working plan for improvements on each Forest which is to be submitted by the supervisor with the improvement estimates for the next fiscal year should be drawn upon the base maps of Forest Atlas folios, or upon other base maps already prepared which have a scale of not less than one-half inch to one mile. The proclamation diagrams are usually on too small a scale for this purpose.

Credentials of District Officers—

It was reported recently that a man who had no connection with the Forest Service represented himself to a ranger on the Coconino National Forest as a forest inspector, and requested to be shown the ranger's official records. The ranger properly refused to show them, on the ground that the man could not produce credentials.

Since many of the officers of the various District offices are unknown to the field force on the National Forests, District officers when in the field should be supplied with proper credentials, and field officers should not allow anyone not known to them access to their records unless proper credentials are shown.

Keeping Track of Hunters and Campers—

While it is not considered good policy to require hunters and campers to secure permits (See Reg. 6, U. B.), yet the number of serious fires of the past season which have been traceable directly or indirectly to this class of Forest users makes it extremely desirable that close track be kept of their movements while on the Forest. Rangers should note in their diaries the presence and location of any hunters or campers that they may encounter and should instruct them specifically of the regulations concerning Forest fires. The task of finding out who started a fire will thus, in many cases, be greatly facilitated.

Reports on Unpatented Claims—

Attention is called to page 36 of The Use Book, which requires reports on all unpatented claims in National Forests. The supervisor should always require these reports, but unless a timber trespass or some fact requiring adverse action on the claim is shown the report need not be sent by the supervisor to the District Forester, but should be retained for reference until final proof is offered.

Reports and Correspondence on Improvement Work—

In a number of cases since December 1, reports on Form 283 and detailed statements showing the cost of construction on permanent improvement projects have been sent to the Chief of Engineering at Ogden, Utah. Since the district organization went into effect December 1, all reports and correspondence of this nature should be sent to the District Forester of the District concerned.

Requisitions for Barbed Wire, Telephone Supplies and Material—

Requisitions for this material should be sent to the District Forester and marked "For Engineering Approval." This is in accordance with "OE" circular letters of June 29, July 15, and July 18. It is noted that "OE" circular letter of July 18 requests separate forms for barbed wire and telephone material, and states that they should be sent to the Office of Engineering, Ogden, Utah. Separate Forms 668 are still required, but they should now be sent to the District Forester, and not to the Office of Engineering.

Approval of Applications for Private Telephones—

The attention of supervisors is called to Regulation 10, page 56, and to the second paragraph on page 176 of The Use Book, which permit supervisors to approve or reject applications for the installation of private instruments on Forest Service telephone lines. The approval by the Forester of application forms, as required by page 176, refers only to those cases originating with the supervisor prior to the adoption of the printed form, Form 832-a. The supervisor should exercise extreme care in granting permits of this character, in order to prevent the over-crowding of telephone lines and interference with official business.

Favorable Reports on Claims—

In order to expedite action on claims, District Foresters, when making reports to the General Land Office on Form 308, as provided on page 41, Manual of Procedure, or any other reports favorable to the claimant, will please make one extra copy of the letter of recommendation and forward it to the United States Land Office for the District in which the land involved is located. It should be stamped "Copy for Information of District Land Office."

Copies of adverse reports should not be sent to the District Land Offices, but to the General Land Office, as provided in the Manual of Procedure. Supervisors should continue the practice described on page 36 of The Use Book.

Examination and Report on Mining Claims—

The attention of supervisors is called to the long-continued policy of the Forest Service that only mining locations which are apparently invalid and which interfere with the administration of the Forest or for which application for patent has been made should be examined and reported upon. Since it is difficult to determine the validity of mining claims in the early stages of the development of the sites, the claimant should be encouraged in his possession and given every possible opportunity to prove the validity of his claim by his work, unless interference with Forest administration is threatened or title is sought.

Three New National Forests Created—

On November 24 proclamations were signed creating the Ocala National Forest, Florida, with an area of 207,285 acres, and the Dakota National Forest, North Dakota, with an area of 13,940 acres; and on November 27 the proclamation creating the Choctawhatchee National Forest was signed. The area of this Forest is approximately 467,606 acres.

Reports on Forms 654 and 655—

All Forest officers submitting reports on Form 654 or 655 (revised August, 1908) should be sure to indicate the numbers and subheadings shown on the forms, before giving the information desired, viz:

1. Claimant. (Answers to outline.)
2. Description of claim. (Answers to outline.)
3. Topography and surface. (Answers to outline.)

In all reports submitted, information should be given as to whether final proof has already been made or advertised.

Pay Rolls and Vouchers—

When making out pay rolls or vouchers on which the names of regularly appointed men appear, supervisors should be very careful to see that the names are written in the same way as they appear in the appointment. Failure to do this will cause trouble and delay in the District offices.

Certification of Vouchers—

The provisions of Circular Letters 00, of July 1 and August 19, 1908, are not being complied with by many supervisors. The proper form of certification of all vouchers is essential.

When vouchers improperly certified are submitted to the District Forester it will be necessary to return them for correct certification.

Remittances to District Depositories—

Supervisors should see to it immediately that their rangers and all Forest users who are called upon for payments are properly instructed in regard to remittances to the District depositories. Drafts and money orders must hereafter be made payable to the order of and transmitted to the National Bank selected as the depository in each District. All the old letters of transmittal (Form 861) calling for remittances payable to the Treasurer of the United States should be destroyed at once. The notice of sale in advertised Class B timber sales should direct the remittance of deposits accompanying bids as follows:

“And a deposit of
payable to the order of The National Bank,
.....,
City. State.
must be sent to that bank, for each bid submitted . . .”

Mail Concerning Property Accounts—

Mail relating to the actual settlement of property accounts will be signed by or addressed to the Property Auditor, Forest Service, Ogden, Utah. Mention of this was unintentionally omitted from the last paragraph under "Signing of Correspondence, District Offices." Manual of Procedure, page 17.

Forest Atlas Legend Crayons—

Several times, after members of the Service have used up only one or two pencils of a set of Forest Atlas legend crayons, they have made requisition for an entire new set. Every pencil in the set is numbered, and by indicating the number of the pencil desired single pencils of any of the twelve colors can be obtained upon requisition from the Property Clerk.

Reports of Claims on Forms 320, 654, and 655—

Forest officers who are supplied with typewriters should make in triplicate all reports of claims on Forms 320, 654, and 655, retaining one copy for their personal files and sending two copies to the supervisor. The supervisor should retain one copy and forward one to the District Forester.

In case of unfavorable recommendations, four copies should be made, so that the supervisor may send two copies to the District Forester, one of which is forwarded to the Commissioner of the General Land Office.

When Forest officers are not provided with typewriters, they should make these reports in duplicate, whether favorable or unfavorable, retain one copy, and send the other to the supervisor. After making a copy for his files, the supervisor should forward the report to the District Forester, and when the report as approved is unfavorable should send an extra copy.

SILVICULTURE.

Measurement of Snowfall in National Forests—

The attention of Forest officers is called to a note in the July Field Program relating to methods of measuring snowfall in the National Forests. It is exceedingly desirable that some practicable automatic apparatus be devised as soon as possible. It is hoped that many suggestions will be received from officers who are familiar with the practical difficulties which are to be met. All plans for observation and record will receive careful attention. They should be submitted to the Forester through the District Forester, and will then be forwarded to the Weather Bureau for consideration.

Sale of Timber on Burned-over Areas—

Timber on a burned-over area may be sold even though negotiations for the collection of damages from a railroad or other company causing the fire are pending, because the timber will deteriorate rapidly in value if left standing. A record of the timber sold on such burned-over area should be kept separate from the record of any timber on the sale not included within the burned-over district.

Timber Cutting on Base Lands—

Timber cutting on base lands which were conveyed to the United States and for which a lieu selection was filed before the repeal is trespass, although the lieu selection has not been approved, and should be treated exactly like any other timber trespass, whether the trespasser is the man who made the conveyance to the United States or a stranger. Such lands may be included in timber-sale areas.

Timber cutting on base land which was conveyed to the United States but for which no lieu selection was filed before the repeal is trespass. If the trespasser is a stranger, the same proceedings should be taken against him as in any other trespass case. If the trespasser is the man who conveyed the land to the United States or the assignee of his lieu selection right, the supervisor should report by wire, in order that steps may be taken to protect by injunction the rights of the Government until remedial legislation is passed or the rights of the trespasser determined. Such lands should not be included in timber-sale areas without special instructions from the District Forester.

GRAZING.

Bonds in Connection with Grazing Permits—

In all cases where a bond is required for protection against damages to the Forest by grazing, the supervisor will prepare it, using the regular blank form, stating the number and kind of stock to be grazed, and describing the portion of the range to be occupied, and send it to the applicant with the Notice of Approval of the application for a grazing permit. The bond must be executed and returned to the supervisor, who will note the names and addresses of the sureties, and forward it to the District Forester for approval. The permit will not be issued until notice of the approval of the bond by the District Forester has been received and the grazing fees have been paid in full. All bonds required in connection with grazing permits will be filed in the Office of the District Forester.

Instructions Regarding Trespass Reports—

Grazing Trespass reports, Form 856, should show clearly inclusive dates upon which the stock are in trespass. The date of the report, which will be used in the designation of the case, will be entered in the space indicated at the top of Form 856.

Acknowledging Receipt of Grazing Applications—

When action on applications for grazing permits must be delayed until a date which has been set for their final presentation, it is desired that supervisors acknowledge their receipt by postal card, Form 303. Compliance with this request will prevent many misunderstandings and be appreciated by the users of the National Forests.

Card Record for Grazing Permits Issued on Account of Private Land—

A new Grazing Record Card, Form 403, has been prepared, for keeping the record of permits issued, under Regulation 65, on account of private lands. Beginning January 1, 1909, this card should be used for recording all applications for grazing permits under Regulation 65, whether the right to the exclusive use of the private land is waived or not. The cards should be filed alphabetically under a guide card placed behind the record cards for the regular paid permits.

Card Posters for Range Allotments—

In order to meet the demand for a poster to be used in marking the boundaries of individual range allotments, a large card poster, Form 222, has been printed, and may be had upon requisition to the Ogden Supply Depot. It is desired that the use of this poster be adopted in all Forests where individual range allotments have been made and that, so far as possible, the lines be marked during the coming season.

SERVICE ORDERS.

SERVICE ORDER 24.

DECEMBER 21, 1908.

Forest Atlas Records.

Hereafter before any statement is issued by any Branch it must be checked against any statements in the Atlas relating to the same subject, and the two must be made to agree.

No sheets should be inserted in the Atlas which do not bear, under a given date, the approval by initial of the Chief within whose field the data was collected. In Washington this applies to Chiefs of Branch, and in the Districts to Chiefs of Office.

GIFFORD PINCHOT, *Forester.*

SERVICE ORDER 25.

DECEMBER 24, 1908.

Condemnation and Sale of Unserviceable Articles.

Section 158 of the Green Book is hereby amended to read: "Public property must not be sold except by written authority of the Forester, a General Inspector, a District Forester, or a Chief or Assistant Chief of office. Articles for which the Forest Service has no further use and which have a sale value will be submitted to any of the above officers for condemnation. When this is not practicable a list of the articles will be forwarded to the District Forester with specific reasons for their condemnation."

OVERTON W. PRICE, *Associate Forester.*

Issued January 30, 1909.

United States Department of Agriculture, FOREST SERVICE.

GIFFORD PINCHOT, Forester.

FIELD PROGRAM FOR FEBRUARY, 1909.

This program of field work and assignments in the Forest Service is issued on the first day of each month, and is for the exclusive use of members of the Service and cooperating bureaus. The names of members whose assignments are not yet fixed and reference to projects for which plans have not been matured are necessarily omitted. All orders and other instructions printed in the Field Program will apply to all Districts.

It is requested that the members of the Forest Service cooperate in making this program complete and accurate.

Unless the address of a member is given in this program or is definitely known, he should be addressed in care of the Forest Service, Washington, D. C.

OFFICE OF THE FORESTER.

4
GIFFORD PINCHOT, Forester.

OVERTON W. PRICE, Associate Forester.

HARRY L. HILL, Secretary to the Forester.

P. P. WELLS, Law Officer.

A. C. SHAW, Principal Examiner.

HERBERT A. SMITH, Editor.

GEORGE B. SUDWORTH, Dendrologist.

R. S. KELLOGG, Assistant Forester, engaged upon forest statistics.

EUGENE S. BRUCE, Expert Lumberman.

D. D. BRONSON,
R. E. BENEDICT, } General Inspectors.

E. M. GRIFFITH, Special Inspector, for Indian Reservations in Wisconsin, Madison, Wis.

OPERATION.

JAMES B. ADAMS, "Assistant Forester," in Charge.

CHAS. S. CHAPMAN, Assistant Forester.

H. B. CRAMER, Fiscal Agent.

GEORGE G. ANDERSON, Assistant in Office Methods.

OCCUPANCY.

M. J. McVEAN, Chief.

ACCOUNTS.

W. R. FUCHS, District Fiscal Agent.

GEOGRAPHY.

F. G. PLUMMER, Chief.

Atlas, G. B. BRUCE, "Acting.

Drafting, C. A. KOLB.

Alienation, J. B. SATTERLEE.

Photography, A. G. VARELA.

MAINTENANCE.

GEORGE A. BENTLEY, Acting Chief.

SILVICULTURE.

WILLIAM T. COX, Assistant Forester, in Charge.

E. E. CARTER, Assistant Forester.

FEDERAL COOPERATION.

A. B. PATTERSON, Chief.

PROJECTS.

Minnesota—

Inspection of logging on Red Lake Indian Reservation—**W. R. MCKINNON,** Red Lake.

Wisconsin—

Lumbering operations on the Menominee Indian Reservation—**E. A. BRANIFF,** **W. E. LA FOUNTAIN,** Neopit.

Inspection of logging on Indian reservations in northern Wisconsin and Michigan—**J. R. FARR,** Phillips.

Inspection of logging on the Bad River Indian Reservation—**T. F. YOUNG,** **MARK BURNS,** and **W. H. FARR,** Ashland.

STATE AND PRIVATE COOPERATION.

J. G. PETERS, Chief.

PROJECTS.

Alabama—

Timber tract examinations—**E. D. CLARK,** Birmingham.

Preparation of report on preliminary examination of forest conditions, in cooperation with the State Commission of Forestry—**J. H. FOSTER,** Washington, D. C.

Florida—

Preliminary examination of forest conditions, in cooperation with the State—**N. C. BROWN,** Tallahassee.

Kentucky—

Preparation of report on forest conditions, in cooperation with the State Board of Agriculture, Forestry, and Immigration—**J. S. HOLMES,** **R. C. HALL,** Washington, D. C.

Michigan—

Preparation of report on preliminary examination of forest conditions, in cooperation with the State Forestry Commission—W. BRADFIELD, A. A. WYNNE, Washington, D. C.

Montana—

Preparation of report on forest lands, in cooperation with the Northern Pacific Railway Company—K. W. WOODWARD, W. B. PIPER, J. ST. J. BENEDICT, and L. S. MURPHY, Washington, D. C.

General Studies—

Seed testing and seed storage—W. H. VON BAYER, N. H. GRUBB, Washington, D. C.

SILVICS.

RAPHAEL ZON, Chief (in the Field).
S. T. DANA, Acting Chief.

PROJECTS.**Central States—**

Study of the ashes—W. T. STONE, Washington, D. C.

Middle West—

Study of windbreaks and their influences—C. G. BATES, Washington, D. C.

Southern States—

Study of bald cypress—F. T. MCLEAN, New Orleans, La.

Library, Miss H. E. STOCKBRIDGE.

Compilation, E. H. FROTHINGHAM.

GRAZING.

A. F. POTTER, Assistant Forester, in Charge.
L. F. KNEIPP, Assistant Forester (in the Field).
WILL C. BARNES, Acting as Assistant Chief.

PROJECTS.

Cooperative studies; private and state lands—W. C. CLOS, Washington, D. C.

Forage investigations; compilation of data—F. V. COVILLE, Botanist, Bureau of Plant Industry, in charge, Washington, D. C.; JAMES T. JARDINE, Forest Ranger, and ARTHUR T. SAMPSON, Plant Ecologist, both at Washington, D. C.

Identification of grasses and plants—Dr. EDWARD L. GREENE, Consulting Expert, Washington, D. C.

Poisonous-plant investigations—Prof. C. D. MARSH, Expert, Bureau of Plant Industry, in charge, Washington, D. C.; IVAR TIDESTROM, Scientific Assistant, Washington, D. C.

Extermination of prairie dogs—H. L. BENHAM, Grazing Assistant, Denver, Colo.

PRODUCTS.

WM. L. HALL, Assistant Forester, in Charge.
McGARVEY CLINE, Assistant Forester.

WOOD UTILIZATION.

H. S. BETTS, Acting Chief.

PROJECTS.**Turpentining studies—**

Statistics on production—J. O. LA FONTAINE, Washington, D. C.

Effects of different methods of turpentining—A. L. BROWER, Washington, D. C.

Computing, E. A. ZIEGLER.**PROJECTS.**

Compilation of forest tables—E. A. ZIEGLER and W. B. BARROWS, both at Washington, D. C.

Computing—Silvical data; timber tests; timber sales.

Wood Chemistry, H. S. BRISTOL.**PROJECTS.**

Study of methods of wood distillation and for the standardization and grading of turpentines—L. F. HAWLEY, Washington, D. C.; assistant, F. E. LICHTENTHALER, 88 Broad street, Boston, Mass.

Experiments with various woods and waste materials for paper pulp—E. SUTERMEISTER; assistant, H. E. SURFACE, both at Washington, D. C.

Study of wood preservatives and of chemical problems in wood utilization—E. BATEMAN; assistant, C. F. SPEH, both at Washington, D. C.

Wood Uses, ROLF THELEN, Acting.**PROJECTS.****Connecticut—**

Effect of drying on strength of timber, in cooperation with Yale University—H. D. TIEMANN, Yale Station, New Haven; assistants, H. E. MCKENZIE and CORNELIUS BARRY.

Microscopic study of the mechanical failure of wood—W. D. BRUSH, New Haven.

Indiana—

Tests of structural timbers, including several hickories, in cooperation with Purdue University, the Illinois Central Railway Company, and the National Hickory Association—W. K. HARR, Purdue University, La Fayette; assistants, J. A. NEWLIN, J. O. BIXBY, WILLIAM D. DUDDING, T. LYONS, and H. WEYLS.

General Studies—

Collection of statistics of forest products, in cooperation with the Bureau of the Census—GEORGE K. SMITH, Lumbermen's Building, St. Louis, Mo.

Studies in the heat conductivity of wood—FREDERICK DUNLAP, Washington, D. C.

Study of wood-using industries and markets for forest products—H. S. SACKETT, Washington, D. C.; FRANKLIN H. SMITH, 776 Federal Building, Chicago, Ill.

WOOD PRESERVATION.

W. F. SHERFESEE, Chief (in the Field.)

HOWARD F. WEISS, Acting Chief.

PROJECTS.

Compilation of data on wood preservation—M. C. JENSEN, Washington, D. C.

Cooperation, JOHN M. NELSON, Jr.**Alabama—**

Construction and experimental operation of a wood-preserving plant, in cooperation with the Tennessee Coal, Iron and Railroad Company—EDWARD H. FORD, Birmingham.

Illinois—

Study of the practicability of wood preservation for Illinois coal fields, in cooperation with the Spring Valley Coal Company—C. P. WINSLOW, Washington, D. C.

Indiana—

Supervising the preparation of designs for a treating plant, in cooperation with the Indianapolis, Columbus and Southern Traction Company—E. W. PETERS, Washington, D. C.

Iowa—

Preservative treatment of fence posts and other farm timbers, in cooperation with the State College Experiment Station—Prof. C. A. SCOTT, Ames.

Louisiana—

Compilation of data collected in the experimental operation of a plant for the preservative treatment of telephone poles, in cooperation with the North Louisiana Telephone Company—HARRY M. MASON, Jr., Washington, D. C.

Experiments in treating the products of southern lumber mills, in cooperation with the Great Southern Lumber Company—CHARLES T. BARNUM, Bogalusa.

Minnesota—

Preservative treatment of fence posts and other farm timbers, in cooperation with the University of Minnesota—C. P. WILLIS, St. Anthony Park, St. Paul.

Pennsylvania—

Experimental operation of a wood-preserving plant, in cooperation with the Philadelphia and Reading Coal and Iron Company—JOHN M. NELSON, Jr., Washington D. C.; assistant, detailed by the company, L. W. CONRAD, Pottsville, Pa.

Research, HOWARD F. WEISS.

PROJECTS.**General Studies—**

Designs for tank gauges for nonpressure plants—FRANCIS M. BOND, Washington, D. C.

Supervision of the construction of an experimental laboratory—HOWARD F. WEISS, Washington, D. C.

PUBLICATION.

FINDLEY BURNS, Chief.

Review, BRISTOW ADAMS.

Education, DON CARLOS ELLIS, Acting.

Distribution, WILLIS G. BROWN.

PUBLICATIONS IN JANUARY.

Circular 150.—Douglas Fir.

Circular 159.—The Future Use of Land in the United States.

DISTRICTS.

DISTRICT 1.

Montana, northeastern Washington, northern Idaho, northern Wyoming, northwestern South Dakota, and southwestern North Dakota.

Office, Hammond Block, Missoula, Mont.

W. B. GREELEY, District Forester.

F. A. SILCOX, Assistant District Forester.

W. M. AIKEN, District Law Officer.

OPERATION.

R. H. RUTLEDGE, Chief.

R. Y. STUART, Assistant Chief.

Organization, Chief and Assistant Chief of Operation.

Engineering, J. P. MARTIN.

Occupancy, P. D. KELLETER.

Accounts, H. I. LOVING, District Fiscal Agent.

Maintenance, R. L. CAMPBELL.

SILVICULTURE.

A. W. COOPER, Chief.

D. T. MASON, Assistant Chief.

Timber Sales, Chief and Assistant Chief of Silviculture.

PROJECTS.

Supervising marking on Beartooth, Absaroka, and Jefferson National Forests—J. F. PRESTON, Forest Assistant.

Spokane and International Railway timber settlement, Pend Oreille National Forest; Field examination and estimate—J. D. WARNER, Sandpoint, Idaho.

Check scaling, Bitterroot National Forest—G. L. COTT, Lumberman, Bighorn, Wyo.

Supervision of timber sales and scaling, Missoula National Forest—A. J. NORTON, Lumberman, Missoula, Mont.

Examination of Indian Lands, Flathead Indian Reservation—F. X. SALZMAN, Lumberman, Missoula, Mont.

Planting, E. C. CLIFFORD.

Silvics, E. I. TERRY.

GRAZING.

C. H. ADAMS, Chief.

W. S. PERRINE, Assistant Chief.

PRODUCTS.

W. F. SHERFEESEE, Acting Chief.
F. L. ROCKWELL, Assistant Chief.

NATIONAL FORESTS.

IDAHO.

Beaverhead—See Montana.
Clearwater—F. A. FENN, Forest Supervisor, Kooskia.
Coeur d'Alene—W. G. WEIGLE, Forest Supervisor, Wallace; RUTLEDGE PARKER, Forest Assistant.
Kaniksu—See Washington.
Nezperce—GEO. V. KING, Acting Forest Supervisor, Grangeville.
Pend Oreille—J. E. BARTON, Forest Supervisor, Sandpoint.

MONTANA.

Absaroka—V. GIFFORD LANTRY, Forest Supervisor, Livingston.
Beartooth—E. C. RUSSELL, Forest Supervisor, Red Lodge.
Beaverhead—C. K. WYMAN, Forest Supervisor, Dillon; R. J. MOORE, Deputy Forest Supervisor.
Bitterroot—W. W. WHITE, Forest Supervisor, Missoula.
Blackfeet—F. N. HAINES, Forest Supervisor, Kalispell; R. P. McLAUGHLIN, Deputy Forest Supervisor; C. N. WHITNEY, Forest Assistant.
Cabinet—RALPH H. BUSHNELL, Acting Forest Supervisor, Thompson Falls.
Custer—GLEN A. SMITH, Acting Forest Supervisor, Ashland.
Deerlodge—C. C. HALL, Forest Supervisor, Anaconda; F. S. PATTON, Forest Assistant.
Flathead—PAGE S. BUNKER, Forest Supervisor, Kalispell.
Gallatin—D. T. CONKLING, Forest Supervisor, Bozeman; A. A. SAUNDERS, Forest Assistant.
Helena—DWIGHT BUSHNELL, Forest Supervisor, Helena.
Jefferson—J. B. SEELY, Forest Supervisor, Great Falls.
Kootenai—C. E. SCHOONOVER, Forest Supervisor, Libby.
Lewis and Clark—W. H. DAUGS, Forest Supervisor, Chouteau.
Lolo—ELERS KOCH, Forest Supervisor, Missoula; M. N. STICKNEY, Forest Assistant.
Madison—CLIFTON W. HUDSON, Acting Forest Supervisor, Sheridan.
Missoula—D. G. KINNEY, Forest Supervisor, Missoula.
Sioux—See South Dakota.

NORTH DAKOTA.

Dakota—Not under administration.

SOUTH DAKOTA.

Sioux—C. A. BALLINGER, Forest Supervisor, Camp Crook.

WASHINGTON.

Kaniksu—W. N. MILLAR, Acting Forest Supervisor, Newport.

WYOMING.

Bighorn—W. E. JACKSON, Forest Supervisor, Big Horn; HERBERT GRAFF, Deputy Forest Supervisor; WM. C. LATANE, Forest Assistant.
Shoshone—H. W. THURSTON, Forest Supervisor, Cody.

DISTRICT 2.

Colorado, southern Wyoming, South Dakota, northwestern Minnesota, Nebraska, western Kansas, and southeastern Utah.

Office, Majestic Building, Denver, Colo.

SMITH RILEY, District Forester.
P. G. REDINGTON, Assistant District Forester.

G. S. ARNOLD, District Law Officer.

OPERATION.

FRED W. MORRELL, Chief.
C. J. STAHL, Assistant Chief.

Organization, Chief and Assistant Chief of Operation.
Engineering, R. E. MESNARD.
Occupancy, FRED LEES.
Accounts, E. A. MELZAR, District Fiscal Agent.
Maintenance, J. W. DILLY.

SILVICULTURE.

A. K. CHITTENDEN, Chief.
S. L. MOORE, Assistant Chief.

Timber Sales, Chief and Assistant Chief of Silviculture.

PROJECTS.

Preparation of a report on a system of cutting for Engelmann spruce and lodgepole pine on the Cochetopa National Forest—G. P. BARD, Denver, Colo.

Check scaling, Cheyenne National Forest—C. H. GREGORY, Lumberman, Saratoga, Wyo.

Supervision of timber sales and scaling, Cheyenne National Forest—G. P. GREGG, Lumberman, Saratoga, Wyo.

Supervision of logging and fire protection, Pine Ridge Indian Reservation—LOUIS KNOWLES, Deadwood, S. Dak.

Supervision of logging, Rosebud Indian Reservation—ROBERT EMERY, Rosebud, S. Dak.

Supervision of logging, Minnesota National Forest—J. S. BAIRD, Lumberman, Cass Lake, Minn.

Planting, L. C. MILLER.
Silvics, C. G. BATES.

GRAZING.

J. W. NELSON, Chief.
E. N. KAVANAGH, Assistant Chief.

PRODUCTS.

C. L. HILL, Chief.
G. R. OGIER, Assistant Chief.

PROJECTS.**Colorado—**

Preservative treatment of railway cross-ties, in cooperation with the Colorado Midland Railway Company—D. L. CARMODY, Norrie, Colo.

Preservative treatment of telephone poles, in cooperation with the Central Colorado Power Company—D. L. CARMODY, Norrie, Colo.

South Dakota—

Supervision of operation of treating plant, in cooperation with the Homestake Mining Company—JAS. A. SILSBEY, Englewood, S. Dak.

NATIONAL FORESTS.**COLORADO.**

Arapaho—C. G. POOLE, Acting Forest Supervisor, Sulphur Springs; J. A. McNAMARA, Deputy Forest Supervisor.

Battlement—DAVID ANDERSON, Forest Supervisor, Collbran; JOHN W. LOWELL, Jr., Deputy Forest Supervisor.

Cochetopa—EUGENE WILLIAMS, Forest Supervisor, Saguache.

Gunnison—WM. R. KREUTZER, Forest Supervisor, Gunnison; E. C. BERKY, Deputy Forest Supervisor.

Hayden—See Wyoming.

Holy Cross—HARRY H. FRENCH, Forest Supervisor, Glenwood Springs; JOHN McLAREN, Deputy Forest Supervisor; JAY HIGGINS, Forest Assistant.
La Salle—See Utah.
Las Animas—C. A. WHITNEY, Acting Forest Supervisor, La Veta.
Leadville—A. L. STROUP, Forest Supervisor, Leadville; J. F. BRUINS, Deputy Forest Supervisor; J. E. MARTIN, Forest Assistant.
Medicine Bow—C. M. GRANGER, Acting Forest Supervisor, Fort Collins.
Montezuma—RESS PHILLIPS, Forest Supervisor, Mancos.
Pike—C. W. FITZGERALD, Forest Supervisor, Denver; W. J. MORRILL, Deputy Forest Supervisor; H. C. NEEL, Forest Assistant; Pikes Peak Planting Station—W. SCHRAEDER, Forest Planting Assistant, Monument.
Rio Grande—F. C. SPENCER, Forest Supervisor, Monte Vista; P. T. COOLIDGE, Forest Assistant.
Routt—J. H. RATLIFF, Acting Forest Supervisor, Steamboat Springs.
San Isabel—J. N. LANGWORTHY, Acting Forest Supervisor, Westcliffe.
San Juan—ERNEST W. SHAW, Forest Supervisor, Durango; A. L. SWITZER, Deputy Forest Supervisor; PETER KEPLINGER, Forest Assistant.
Uncompahgre—HENRY L. SPENCER, Acting Forest Supervisor, Delta; J. H. RAMSKILL, Forest Assistant.
White River—JAMES A. BLAIR, Forest Supervisor, Meeker; I. T. WORTHLEY, Forest Assistant.

KANSAS.

Kansas—B. R. H. d'ALLEMAND, Acting Forest Supervisor, Garden City; Garden City Planting Station—C. R. TAYLOR, Forest Planting Assistant.

MINNESOTA.

Minnesota—G. E. MARSHALL, Forest Supervisor, Cass Lake.

NEBRASKA.

Nebraska—W. H. MAST, Forest Supervisor, Halsey; H. R. SHOCKLEY, Deputy Forest Supervisor; Halsey Planting Station—L. BESLEY and C. R. BECHTLE, Forest Planting Assistants.

SOUTH DAKOTA.

Black Hills—E. M. HAMILTON, Forest Supervisor, Deadwood; A. L. LYNN, Deputy Forest Supervisor; JOHN MURDOCH, Jr., and ROBERT E. CLARK, Forest Assistants.

WYOMING.

Cheyenne—P. S. LOVEJOY, Acting Forest Supervisor, Saratoga; R. A. STRETCH and ARTHUR M. COOK, Forest Assistants.

Hayden—JAMES BLACKHALL, Acting Forest Supervisor, Encampment.

Sundance—G. C. SMITH, Acting Forest Supervisor, Sundance.

DISTRICT 3.

Arizona, Arkansas, Florida, New Mexico, and Oklahoma.
 Office, Strickler-Luna Building, Albuquerque, N. Mex.

A. C. RINGLAND, District Forester.

E. H. CLAPP, Assistant District Forester.

H. B. JAMISON, District Law Officer.

OPERATION.

A. C. WAHA, Chief.

R. G. WILSON, Assistant Chief.

Organization, Chief and Assistant Chief of Operation.

Engineering, E. H. JONES.

Occupancy, B. FRANKLIN.

Accounts, J. J. DUFFY, District Fiscal Agent.

Maintenance, W. B. BUNTON.

SILVICULTURE.**T. S. WOOLSEY, Jr., Chief.****A. B. RECKNAGEL, Assistant Chief.****Timber Sales, J. F. ELDREDGE, Acting.****Planting, A. S. PECK.****R. L. ROGERS, Assistant.****Silvics, W. R. MATTOON.****G. A. PEARSON, Assistant, Coconino Forest Experiment Station, Flagstaff, Ariz.****PROJECTS.****Arizona—****Reconnaissance study of the Prescott—JOHN LAFON, Prescott, Ariz.; Assistants, H. E. LYON, J. E. ELLIOTT, and D. M. LANG.****New Mexico—****Reconnaissance study of the Gallinas Division of the Lincoln—H. G. CALKINS, Corona, N. Mex.; Assistants, S. M. CROSS and D. W. ADAMS.****GRAZING.****J. K. CAMPBELL, Chief.****JOHN KERR, Assistant Chief.****PRODUCTS.****O. T. SWAN, Chief.****NATIONAL FORESTS.****ARIZONA.****Apache—JOHN D. GUTHRIE, Acting Forest Supervisor, Springerville.****Chiricahua—A. H. ZACHAU, Acting Forest Supervisor, Douglas; H. D. BURRALL, Forest Assistant.****Coconino—F. C. W. POOLER, Forest Supervisor, Flagstaff; W. M. DRAKE, Forest Assistant.****Coronado—ROBERT J. SELKIRK, Forest Supervisor, Benson.****Crook—T. T. SWIFT, Forest Supervisor, Safford.****Garces—W. H. B. KENT, Forest Supervisor, Nogales.****Prescott—C. H. HINDERER, Forest Supervisor, Prescott.****Sitgreaves—ALEX. J. MACKAY, Forest Supervisor, Snowflake.****Tonto—W. H. REED, Forest Supervisor, Roosevelt; J. W. FARMER, Deputy Forest Supervisor.****ARKANSAS.****Arkansas—S. J. RECORD, Forest Supervisor, Mena; FRANCIS KIEFER, Forest Assistant.****Ozark—DAVID E. FITTON, Forest Supervisor, Harrison; W. F. HILL, Deputy Forest Supervisor.****FLORIDA.****Choctawhatchee }
Ocala }—Not under administration.****NEW MEXICO.****Alamo—ARTHUR M. NEAL, Forest Supervisor, Alamogordo; L. L. JANES, Forest Assistant.****Carson—Ross McMILLAN, Forest Supervisor, Santa Fe; THOS. R. STEWART, Deputy Forest Supervisor.****Chiricahua—See Arizona.****Datil—W. H. GODDARD, Forest Supervisor, Magdalena; R. F. BALTHIS, Forest Assistant.**

Gila—DOUGLAS RODMAN, Acting Forest Supervisor, Silver City; FRANK E. ANDREWS, Deputy Forest Supervisor; Fort Bayard Planting Station—H. C. TURNER and A. HEDRICKS, Forest Planting Assistants.

Jemez—Ross McMILLAN, Forest Supervisor, Santa Fe; THOS. R. STEWART, Deputy Forest Supervisor; HARRY POOLER, Forest Agent.

Lincoln—J. H. KINNEY, Forest Supervisor, Capitan.

Magdalena—W. H. GODDARD, Forest Supervisor, Magdalena; R. F. BALTHIS, Forest Assistant.

Manzano—A. D. READ, Forest Supervisor, Albuquerque.

Pecos—Ross McMILLAN, Forest Supervisor, Santa Fe; THOS. R. STEWART, Deputy Forest Supervisor; Las Gallinas Planting Station—W. D. HAYES, Forest Assistant.

OKLAHOMA.

Wichita—FRANK RUSH, Acting Forest Supervisor, Cache.

DISTRICT 4.

Utah, southern Idaho, western Wyoming, eastern Nevada, and northwestern Arizona.

Office, First National Bank Building, Ogden, Utah.

CLYDE LEAVITT, District Forester.

FRANKLIN W. REED, Assistant District Forester.

W. C. HENDERSON, District Law Officer.

OPERATION.

R. P. IMES, Chief.

E. H. CLARKE, Assistant Chief.

Organization, Chief and Assistant Chief of Operation.

Engineering, A. T. MITCHELSON.

Occupancy, TIMOTHY C. HOYT.

Accounts, Q. R. CRAFT, District Fiscal Agent.

Maintenance, R. E. CONNER.

SILVICULTURE.

L. L. WHITE, Chief.

O. M. BUTLER, Assistant Chief.

Timber Sales, Chief and Assistant Chief of Silviculture.

Planting, J. M. FETHEROLF.

Silvics, E. R. HODSON.

GRAZING.

HOMER E. FENN, Chief.

A. C. McCAIN, Assistant Chief.

PRODUCTS.

H. B. HOLROYD, Acting Chief.

SUPPLY DEPOT.

A. M. SMITH, Property Clerk.

PROPERTY AUDIT.

J. G. FALCK, Property Auditor.

NATIONAL FORESTS.

ARIZONA.

Dixie—See Utah.**Kaibab**—JOHN H. CLARK, Forest Supervisor, Kanab, Utah; DANIEL K. JUDD, Deputy Forest Supervisor.

IDAHO.

Boise—E. GRANDJEAN, Forest Supervisor, Boise; WALTER A. HOPSON, Forest Assistant.**Cache**—See Utah.**Caribou**—N. E. SNELL, Forest Supervisor, Idaho Falls.**Challis**—DAVID LAING, Forest Supervisor, Challis.**Idaho**—HENRY A. BERGH, Forest Supervisor, Meadows.**Lemhi**—C. I. HUDDLE, Forest Supervisor, Mackay.**Minidoka**—WM. MCCOY, Forest Supervisor, Oakley.**Payette**—GUY B. MAINS, Forest Supervisor, Emmett.**Pocatello**—CLINTON G. SMITH, Forest Supervisor, Pocatello; Pocatello Planting Station—P. T. WRENSTED, Forest Ranger.**Salmon**—GEORGE G. BENTZ, Forest Supervisor, Salmon City; JAS. M. RYAN, Deputy Forest Supervisor.**Sawtooth**—C. N. WOODS, Forest Supervisor, Hailey; H. G. MCPHETERS, Deputy Forest Supervisor.**Targhee**—DAVID BARNETT, Forest Supervisor, St. Anthony; FOSTER STEELE, Deputy Forest Supervisor.**Weiser**—J. B. LAFFERTY, Forest Supervisor, Weiser; W. M. CAMPBELL, Deputy Forest Supervisor.

NEVADA.

Humboldt—C. SYDNEY TREMEWAN, Forest Supervisor, Elko.**Moapa**—HARRY E. MATHEWS, Acting Forest Supervisor, Las Vegas.**Toiyabe**—M. S. BENEDICT, Acting Forest Supervisor, Austin.

UTAH.

Ashley—W. M. ANDERSON, Forest Supervisor, Vernal.**Cache**—W. W. CLARK, Forest Supervisor, Logan; J. F. SQUIRES, Deputy Forest Supervisor; J. E. ROTHERY, Forest Assistant; C. A. LEWIS, Forest Assistant.**Dixie**—JAMES E. JEWELL, Acting Forest Supervisor, St. George.**Fillmore**—WM. HURST, Forest Supervisor, Beaver.**Fishlake**—OLAF G. NIELSON, Acting Forest Supervisor, Salina.**La Salle**—JOHN RIIS, Acting Forest Supervisor, Moab.**Manti**—A. W. JENSEN, Forest Supervisor, Ephraim.**Minidoka**—See Idaho.**Nebo**—DAN S. PACK, Forest Supervisor, Payson.**Pocatello**—See Idaho.**Powell**—GEO. H. BARNEY, Forest Supervisor, Escalante.**Sevier**—O. C. SNOW, Forest Supervisor, Panguitch; FRANK W. SEAMAN, Deputy Forest Supervisor.**Uinta**—W. I. PACK, Forest Supervisor, Provo; R. V. R. REYNOLDS, Forest Assistant.**Wasatch**—C. F. COOLEY, Acting Forest Supervisor, Salt Lake City; Wasatch Planting Station—N. J. FETHEROLF, Forest Planting Assistant.

WYOMING.

Ashley—See Utah.**Bonneville**—ZEPH JONES, Forest Supervisor, Pinedale; H. EARLE FRENCH, Forest Assistant.**Caribou**—See Idaho.**Targhee**—See Idaho.**Teton**—R. E. MILLER, Forest Supervisor, Jackson.**Wyoming**—JOHN RAPHAEL, Forest Supervisor, Afton.

DISTRICT 5.

California and southwestern Nevada.

Office, First National Bank Building, San Francisco, Cal.

F. E. OLMSTED, District Forester,
COERT DUBOIS, Assistant District Forester.

E. A. LANE, District Law Officer.

OPERATION.

R. L. FROMME, Chief.
ROY HEADLEY, Assistant Chief.

Organization, Chief and Assistant Chief of Operation.

Engineering, F. C. WALES.

Occupancy, R. F. HAMMATT.

Accounts, J. S. SWAN, District Fiscal Agent.

Maintenance, A. L. DAHL.

SILVICULTURE.

G. M. HOMANS, Chief.
T. D. WOODBURY, Assistant Chief.

Timber Sales, Chief and Assistant Chief of Silviculture.
Planting, G. W. PEAVY.

PROJECTS.

Inspection and supervision of planting on the Angeles, Santa Barbara, and Cleveland National Forests. Preparation of a eucalyptus planting plan for a thousand-acre tract near San Diego, Cal.—G. W. PEAVY, San Diego, Cal.

(**Silvics**, T. R. COOPER.

PROJECTS.

Investigation of the general forest and market conditions on the Stanislaus, Tahoe, Lassen, and Mono Forests.—LOUIS MARGOLIN, Sonora, Cal.

GRAZING.

JOHN H. HATTON, Chief.
M. B. ELLIOTT, Assistant Chief.

PRODUCTS.

L. E. HUNT, Chief.
C. S. SMITH, Assistant Chief.

PROJECTS.

Tests of the strength of eucalyptus, redwood, and tanbark oak, in cooperation with the University of California, the Northwestern Redwood Company, and the California Redwood Association—G. R. GESSERT, Berkeley.

Study of wood-using industries and markets for forest products—L. E. HUNT; assistant, J. V. WULFF, San Francisco.

Operation of an experimental wood-preserving plant, in cooperation with the Southern Pacific Company—C. S. SMITH, San Francisco.

Inspection of experimental telephone pole lines—C. S. SMITH, San Francisco.

NATIONAL FORESTS.**CALIFORNIA.**

Angeles—R. H. CHARLTON, Forest Supervisor, Los Angeles; ERNEST B. LONG, Deputy Forest Supervisor; Lytle Creek Planting Station: SEROPE Y. PARNAY and F. L. RICKY, Forest Planting Assistants, San Bernardino.

California—ERNEST BRITTEN, Forest Supervisor, Willows.

Cleveland—H. A. E. MARSHALL, Forest Supervisor, San Diego; ARTHUR W. BARTLETT, Deputy Forest Supervisor.

Inyo—A. H. HOGUE, Forest Supervisor, Bishop.

Klamath—FRANK W. HARLEY, Acting Forest Supervisor, Yreka; R. G. POND, Forest Assistant.

Lassen—L. A. H. KLING, Forest Supervisor, Red Bluff; J. C. LA PLANT, Deputy Forest Supervisor.

Modoc—C. E. RACHFORD, Forest Supervisor, Alturas.

Mono—See Nevada.

Monterey—N. O. TORSTENSEN, Forest Supervisor, Salinas.

Plumas—L. A. BARRETT, Forest Supervisor, Quincy; W. G. DURBIN, Deputy Forest Supervisor; J. R. HALL, Forest Assistant.

San Luis—E. S. MAINWARING, Forest Supervisor, San Luis Obispo.

Santa Barbara—WILLIS M. SLOSSON, Forest Supervisor, Santa Barbara; H. G. MERRILL, Deputy Forest Supervisor.

Sequoia—E. A. SHERMAN, Forest Supervisor, Hot Springs; W. C. BURTON, Deputy Forest Supervisor; W. M. MAULE, Forest Assistant.

Shasta—W. B. RIDER, Forest Supervisor, Sisson.

Sierra—C. H. SHINN, Forest Supervisor, Northfork; H. J. TOMPKINS, Forest Assistant; WM. G. HOWARD, Forest Assistant.

Stanislaus—R. W. AYRES, Forest Supervisor, Sonora; D. N. ROGERS, Forest Assistant.

Tahoe—R. L. P. BIGELOW, Forest Supervisor, Nevada City; M. B. PRATT, Forest Assistant.

Trinity—F. H. HAFLY, Forest Supervisor, Weaverville; W. A. HUESTIS, Deputy Forest Supervisor.

NEVADA.

Inyo—See California.

Mono—J. C. WELLS, Forest Supervisor, Gardnerville.

Tahoe—See California.

DISTRICT 6.

Washington, Oregon, a small portion of northern California, and Alaska.
Office, Beck Building, Portland, Oreg.

E. T. ALLEN, District Forester.
GEO. H. CECIL, Assistant District Forester.

C. R. PIERCE, District Law Officer.

OPERATION.

C. H. FLORY, Chief.
C. J. BUCK, Assistant Chief.

Organization, Chief and Assistant Chief of Operation.
Engineering, W. E. HERRING.
Occupancy, W. F. STALEY.
Accounts, A. H. COUSINS, District Fiscal Agent.
Maintenance, SHIRLEY BUCK.

SILVICULTURE.

F. E. AMES, Chief.
C. S. JUDD, Assistant Chief.

Timber Sales, Chief and Assistant Chief of Silviculture.
Planting, J. F. KUMMEL.
Silvics, T. T. MUNGER.

GRAZING.

HOWARD K. O'BRIEN, Chief.
T. P. MCKENZIE, Assistant Chief.

PRODUCTS.

J. B. KNAPP, Chief.
H. B. OAKLEAF, Assistant Chief.

NATIONAL FORESTS.

ALASKA.

Chugach—W. A. LANGILLE, Forest Supervisor, Ketchikan; HOWARD M. CONRAD, Deputy Forest Supervisor; LAGE WERNSTEDT, Forest Assistant.

Tongass—W. A. LANGILLE, Forest Supervisor, Ketchikan; HOWARD M. CONRAD, Deputy Forest Supervisor; LAGE WERNSTEDT, Forest Assistant.

CALIFORNIA.

Crater—See Oregon.

Siskiyou—See Oregon.

OREGON.

Cascade—C. R. SEITZ, Forest Supervisor, Eugene; J. R. HARVEY, Deputy Forest Supervisor; CHESTER B. COX, Forest Assistant.

Crater—M. L. ERICKSON, Forest Supervisor, Medford; S. S. SWEETING, Deputy Forest Supervisor; H. D. FOSTER, Forest Assistant.

Deschutes—A. S. IRELAND, Forest Supervisor, Prineville.

Fremont—GUY M. INGRAM, Forest Supervisor, Lakeview; G. D. BROWN, Deputy Forest Supervisor.

Malheur—CY. J. BINGHAM, Forest Supervisor, John Day.

Oregon—T. H. SHERRARD, Forest Supervisor, Portland; RALPH S. SHELLEY, Deputy Forest Supervisor.

Siskiyou—M. J. ANDERSON, Forest Supervisor, Grants Pass; HUGH M. GUTHRIE, Deputy Forest Supervisor; H. HAEFNER, Forest Assistant.

Siuslaw—A. E. COHOON, Forest Supervisor, Eugene.

Umatilla—THOS. E. CHIDSEY, Forest Supervisor, Heppner.

Umpqua—S. C. BARTRUM, Forest Supervisor, Roseburg; H. M. HALE, Deputy Forest Supervisor.

Wallowa—HARVEY W. HARRIS, Acting Forest Supervisor, Wallowa.

Wenaha—See Washington.

Whitman—HENRY IRELAND, Forest Supervisor, Sumpter.

WASHINGTON.

Chelan—GEORGE W. MILHAM, Forest Supervisor, Chelan.

Columbia—H. O. STABLER, Forest Supervisor, Portland, Oreg.; ARTHUR R. WILCOX, Forest Assistant.

Colville—W. W. CRYDER, Forest Supervisor, Republic.

Olympic—FRED HANSON, Forest Supervisor, Hoodspoint.

Rainier—G. F. ALLEN, Forest Supervisor, Orting; F. B. KELLOGG, Forest Assistant.

Snoqualmie—B. P. KIRKLAND, Forest Supervisor, Seattle; E. T. CLARK, Forest Assistant.

Washington—C. H. PARK, Acting Forest Supervisor, Bellingham.

Wenaha—J. M. SCHMITZ, Forest Supervisor, Walla Walla.

Wenatchee—A. H. SYLVESTER, Forest Supervisor, Leavenworth; A. A. PARKER, Deputy Forest Supervisor; FRED W. CLEATOR, Forest Assistant.

SERVICE CHANGES IN JANUARY.

APPOINTED.

Forester—

LAW: F. L. HARVEY, Law Examiner; THOS. G. SHEARMAN, Law Examiner;
 W. J. MANGAN, Law Examiner.

Products—

L. C. GLENN, Collaborator.
 WOOD PRESERVATION: FRANCIS M. BOND, Agent.

District 1—

W. M. AIKEN, Law Examiner; S. J. HUMESTON, Law Examiner.

District 2—

JAS. F. LAWSON, Law Examiner.

District 3—

H. B. JAMISON, Law Examiner; RAY F. FEAGINS, Law Examiner.

District 4—

HARRY P. DECHANT, Law Examiner.

District 5—

E. A. LANE, Law Examiner.

District 6—

C. R. PIERCE, Law Examiner; GEO. E. TROWBRIDGE, Law Examiner.

PROMOTED.**Silviculture—**

FEDERAL COOPERATION: E. A. BRANIFF, to Forest Supervisor.

TRANSFERRED.**District 1—**

J. B. SEELY, Forest Supervisor; Kaniksu National Forest to Jefferson National Forest.

District 3—

OPERATION: BLAKE FRANKLIN, in charge of Occupancy District 5, to District 3; H. G. CALKINS, Forest Assistant, Operation to Silviculture.

CHANGES IN DESIGNATION.**Products—**

McGarvey Cline, Assistant Forester.

District 1—

OPERATION: V. GIFFORD LANTRY, Absaroka National Forest, from Deputy Forest Supervisor to Forest Supervisor; HARRY S. KAUFMAN, Absaroka National Forest, from Forest Ranger to Deputy Forest Supervisor; RALPH H. BUSHNELL, Cabinet National Forest, from Forest Ranger to Deputy Forest Supervisor; WILLIS N. MILLAR, Kaniksu National Forest, from Forest Assistant to Deputy Forest Supervisor; WM. H. DAUGE, Lewis and Clark National Forest, from Deputy Forest Supervisor to Forest Supervisor; GEORGE V. RING, Nezperce National Forest, Deputy Forest Supervisor to Forest Supervisor; J. EARLE BARTON, Pend Oreille National Forest, from Deputy Forest Supervisor to Forest Supervisor; HERBERT GRAFF, Bighorn National Forest, from Forest Assistant to Deputy Forest Supervisor; ROBERT P. McLAUGHLIN, Blackfeet National Forest, from Deputy Forest Ranger to Deputy Forest Supervisor.

FURLoughed.**Products—**

WOOD UTILIZATION: P. D. EDMUNDS, Agent.

Silviculture: STATE AND PRIVATE COOPERATION: W. M. MOORE, Forest Assistant.

District 1—

ORGANIZATION: R. W. STUART, Forest Supervisor.

District 3—

G. H. KELLOGG, Assistant Land Examiner.

District 6—

Silviculture: MAX ROTIKUGEL.

RESTORED TO THE ROLLS WITH PAY.**Operation—**

W. H. KOBBÉ, Forest Assistant, Apache National Forest.

SEPARATED.**Forester—**

DENDROLOGY: WALLACE H. STROUD, Collaborator.

RESIGNED.**District 1—**

ORGANIZATION: VINCENT D. ALLEN, Forest Clerk, Kaniksu National Forest;
WEBSTER G. MASON, Deputy Forest Ranger, Absaroka National Forest.

District 4—

ORGANIZATION: CHARLES A. LEWIS, Forest Assistant.

It is with regret that the Service announces the loss during the past month of two members of the force. H. H. HARRIS, Chief of Occupancy in District 3, died on January 4, and E. R. THOMPSON, a draftsman in the same district, died on January 6.

SERVICE NOTES FOR FEBRUARY.

These notes contain instructions and necessary information for Forest officers, and will, therefore, be carefully read and kept on file for reference.

OFFICE OF THE FORESTER.

LAW.

Amendment of Regulations 10 and 77, Use Book—

On January 4 Regulations 10 and 77 (Use Book of 1908, pages 56 and 151) were amended by the Secretary of Agriculture to read as follows:

REG. 10. The Forester and such officers as he may designate may issue, extend, renew, or revoke permits for special uses within National Forests, with such conditions as to area, time, and requirements as they may deem best, and they may make reasonable charges for such permits.

REG. 77. The Forester and such officers as he may designate may issue such permits, demand and approve such bonds, require such stipulations, and approve and execute such leases and other contracts as are required or permitted by law or these regulations, or as the Secretary of Agriculture is required or permitted to demand, approve, require, or execute in matters affecting the Forest Service and the National Forests. And the Forester and such officers as he may designate may in like manner revoke or cancel such documents for cause or at discretion as such documents may respectively provide.

Fire Trespass: Disagreement of the Jury—

An important case of willfully setting fire to a part of the Klamath National Forest was reported January 16. Through the trespass of Louis R. Webb, September 1, a large area was burned over and much timber destroyed along the boundary line between California and Oregon, both in the Klamath and in the Siskiyou National Forests. The trial was held December 30 and resulted in a disagreement of the jury.

Property Trespass: Referred to Department of Justice—

The theft of a Government tent from a ranger station at Ash Creek, Cal., by William Wells, October 21, was reported from the Shasta National Forest in January. The case was referred to the Department of Justice, November 27.

Trespass: Criminal Prosecution—

George Burnett and Earl Carmack pleaded guilty and were fined \$25 each in the United States district court, southern district of California, January 11, under section 2 of the act of May 5, 1900 (31 Stat., 169; Use Book, 253), for leaving an unextinguished camp fire on the Cleveland National Forest.

George E. Bowers was convicted before a justice of the peace, San Diego, Cal., for negligently starting a forest fire on the Cleveland National Forest, and was ordered to serve time in jail on failure to pay a fine of \$35.

S. J. Harris was indicted November 12, 1908, by the grand jury at Fresno, Cal., for violation of Section 1 of the act of February 25, 1885 (23 Stat., 321: Use Book, 250), in unlawfully asserting a right to the exclusive use and occupancy of public lands within the Sierra National Forest.

Dismissal of criminal proceedings was recommended in the case against George Standart, Lowell Standart, and John W. Standart, who were arrested under warrants issued by the United States Commissioner at Fresno, Cal., for wilfully removing timber which had been cut in trespass and was under seizure by the officers of the Sierra National Forest.

Trespass: Civil Action—

Complaint for \$2,174.41 damages was filed on January 5 in the United States district court, northern district of California, against the Trinity Bonanza King Mining Company for willful timber trespass in the Shasta National Forest.

OPERATION.

Devices for Measuring Snowfall—

A number of letters and designs in regard to devices for measuring snowfall have been received from Forest officers. These have been forwarded to the Weather Bureau, which desires to express its thanks for the helpful suggestions contained in them and appreciation of the interest shown. All suggestions along this line are very welcome and will receive careful attention.

Listing Lands within Withdrawn Areas—

Forest officers should bear in mind that the act of June 11, 1906, authorizes the listing of lands within withdrawn areas as well as within National Forests. The Forester has been informed by the Commissioner of the General Land Office that in several cases Forest officers have referred applicants for withdrawn lands to his office.

Necessary to Identify Administrative Sites—

Inquiries to the Forester respecting administrative sites should show the date on which the General Land Office was requested to make withdrawal, the name of the site, the location, and the Forest. This information is necessary in order to identify the case in the General Land Office.

Administrative Sites: Blueprints—

The General Land Office has asked that requests for withdrawal of proposed administrative sites, where the land is unsurveyed, be accompanied by three copies of the blueprint and three copies of the field notes. This instruction amends Paragraph 5, under Ranger Stations, Page 40 of the Manual.

Administrative Sites: Form 263—

A large stock of Form 263, cloth notice of withdrawal of lands for administrative sites to be posted on the land, is still on hand. Therefore Form 394, which was to supersede it, will not be printed until the supply of Form 263 is exhausted. The supply depot at Ogden will continue to furnish Form 263.

Disposal of Original and Duplicate Notification of Receipt—

Some supervisors have failed to notify Forest officers who prepared letters of transmittal for payments that the remittances were received and that the amounts had been placed to the credit of the permittee. Under the new system the original and duplicate Notification of Receipt, Form 26, are sent to the supervisor. After making appropriate entry on his records, he should send the original to the permittee and the duplicate to the Forest officer who handled the transaction.

Claims: Amendment of Use Book Instructions—

In order that the Service may not appear to protest entries when it is simply desired to secure time to make an examination, the instructions in the first sentence on Page 37 of The Use Book are hereby amended to read as follows:

If he has sufficient information which in his judgment actually warrants a protest, and has not reported adversely to the District Forester, he should return the notice to the local land office with the endorsement, "The Forest Service protests against this claim and requests time to make further investigation." If, however, he has not sufficient information which in his judgment warrants protesting the claim, and has not reported to the District Forester, he should return the notice to the local land office with the endorsement, "The Forest Service will investigate and report upon this claim and requests that action be suspended pending such investigation and report."

Return to the Old Procedure on Claims Reports—

The instruction given in the Field Program for January directing the District Foresters to forward a copy of the letter made on Form 308 to District Land Offices may be disregarded. After further consideration the General Land Office has decided that the old procedure should be followed.

Reports on Claims outside of Forests—

Whenever it comes to the knowledge of the Forest officers that public lands outside the National Forests are being illegally used or appropriated, such information should be sent to the District Foresters, who, in turn, will forward it, without recommendation, to the Commissioner of the General Land Office for his consideration.

Reports on Daily Service Should Be Initialed—

Hereafter members detailed from the District office for temporary work under the direction of supervisors should have their daily Service reports initialed by each supervisor for the time employed on his Forest, and the complete Service report for the month should be forwarded to the District office. If supervisors so desire they may have copies made of the reports, or of such parts of them as they need for their office records.

Instructions for Closing Claims Cases—

No general instructions have been issued hitherto for closing claims cases. Where favorable recommendation is made, the case should be closed by the District Forester on the date of his recommendation to the Commissioner of the General Land Office, and by the supervisor when he receives a copy of the District Forester's recommendation. Where adverse recommendation is made, the case should be closed by the District Forester when he receives notice from the Commissioner of the General Land Office of the cancellation of the entry or annulment of the settlement or location, and by the supervisor when he receives such notice from the District Forester. All District foresters and supervisors should at once close and transfer from their current files all those claims cases which the above instructions require to be closed.

Instructions for Closing Settlement Cases—

No general instructions have been issued hitherto for closing settlement cases. Where favorable action is taken, the case should be closed by the District Forester on the date he receives notice from the Commissioner of the General Land Office of the restoration of the land to entry and by the supervisor when he receives such notice from the District Forester. Where adverse action is taken for any specific legal reason apart from the character of the land, the case should be closed by the District Forester on the date he rejects the application and by the supervisor on the date he receives notice of the rejection. When an application is rejected because of the character of the land, the District Forester and supervisor should each prepare a follow-up card and close the case sixty days after the rejection, unless pending correspondence arising from the rejection prevents closing the case then, in which event the follow-up card will be set ahead, pending final action. Papers in the folders of closed cases may be transferred, when necessary, to the folders of new or supplemental applications, leaving an appropriate memorandum in the closed folder. All District Foresters and supervisors should at once close and transfer from their current files all those settlement cases which the above instructions require to be closed.

Amount of Acreage in Special-Use Permits—

A number of special-use permits have been received by the District Foresters which do not specify the acreage or mileage involved. It is necessary to specify this in every case. Under the District organization a report of the number of special-use permits issued and the total acreage or mileage covered is required to be made from each District office.

Description of Land in Reports or Requests—

All reports or requests to the General Land Office transmitted by District Foresters should in every instance give a careful description of the land involved, by section, township, and range, together with the names of the claimants, in order that the cases may be identified in that office. The Forester has been informed by the Commissioner of the General Land Office of several cases of neglect to give description. The importance of giving these data should be noted.

Dates for Supervisors' Reports Advanced—

The Use Book, page 195, "Distribution of Ranger Service," provides that supervisors should send, on November 1, an annual report to the District Forester showing the total number of days devoted by the ranger force on each Forest to each class of work during the preceding fiscal year. The Manual of Procedure, page 81, provides that the District Forester shall send to the Forester, on December 1, an annual report on the distribution of rangers' services. It is found that this report should reach the Forester at an earlier date. The date set in The Use Book is therefore changed to September 1 and that in the Manual to October 1.

Papers to Accompany Applications for Special-Use Permits—

The Manual of Procedure provides that in applications for Class A special-use permits the supervisor shall transmit to the District Forester his recommendations, accompanied by other reports and papers, including the report of the District engineer. In order that satisfactory arrangements may be made for the engineering examination, it is desirable that the supervisor notify the District Forester immediately when an application for a Class A permit is received by him.

The Statistical Atlas to Appear This Month—

The 1907 volume of the Statistical Atlas will be issued during February. It will consist of 30 pages of maps, diagrams, and tables selected from the standard size manuscript volume which is part of the record of the Forest Service. It will be printed in 14 colors. The size of the bound volume is 10 by 12 inches. It will be

issued for the official use of Forest officers and is not designed for general circulation. A limited number of copies will be given to libraries, educational institutions, and associations devoted to the interest of forestry, or to the conservation of other natural resources. This book will not only furnish condensed information to Forest officers, but will assist them in preparing diagrams for future editions of the Statistical Atlas.

Proper Way to Remit to Depositories—

In all probability it will be some time before remittances are received in proper form by the designated depositories in the District headquarters. The work done by these banks is entirely gratuitous and every effort should be made to lighten it. The officers on the Forests, and especially the rangers, can be of great assistance if they will carefully explain to all with whom they transact business that drafts or money orders are to be made payable as follows: In District 1, to the Western Montana National Bank, Missoula, Mont.; in District 2, to The Denver National Bank, Denver, Colo.; in District 3, to The First National Bank, Albuquerque, N. Mex.; in District 4, to The First National Bank, Ogden, Utah; in District 5, to The First National Bank, San Francisco, Cal.; in District 6, to The First National Bank, Portland, Oreg.

Personal checks and bank drafts upon local banks will not be accepted by the depositories nor credited until collection is made. The most acceptable form of remittance is the post-office money order. The remittance and Form 861 are to be mailed directly to the bank and not to the District Fiscal Agent. If all Forest officers will be careful properly to designate the cases on both the original and duplicate Forms 861, it will help much in identifying the payment with the transaction.

Ranger and Guard Labor—

Ranger and guard labor may, in the discretion of the supervisor, be used on permanent improvement work without charging the time to the project on which the labor is placed. In all cases, however, the proper charge must be indicated in the detailed statement submitted upon the completion of each project. If a supervisor cares to use ranger and guard labor on an authorized project and at the same time charge it to his salary allotment, this may be done. In no case, however, must any building cost more than \$500, which figure must include all labor, material, and supplies. Care should be taken to see that proper entry of the charge is made on Form 99 accompanying the voucher on which payment is made.

Information as to Lost Property should be Specific—

The explanation given by supervisors on the Certificate of Loss, Form 858, is usually very meager and does not show beyond reasonable doubt that the loss of the article was not due to fault or negligence. In many cases when the loss was excusable it has erroneously been charged against the supervisors for the reason that the explanation submitted was incomplete. The attention of supervisors is called to section 161 of The Green Book.

Distribution of Salary between Allotments on Form 143—

Section 137, page 40, of The Green Book, concerns "Cost Keeping by Projects" in Washington and is applied only to vouchers which are paid wholly from one appropriation. When National Forest pay rolls include salaries payable partly from general expense and partly from improvement, the amount chargeable to each should be determined from the salary table in The Fiscal Regulations or The Green Book; thus, 4 days at \$1,500 per annum should be \$16.67, not four times \$4.17, the charge for 1 day. When Sundays or holidays are included in a period, they should be added to the number of days charged. The 31st of the month should never be charged to either allotment.

Additions to National Forests—

On January 20 a proclamation was signed adding 600,135 acres to the Independence Division of the Humboldt National Forest, making the area of this Forest 1,158,814. On January 21 a proclamation was signed adding 45,575 acres to the Charleston Division of the Moapa National Forest, making the area of this Forest 390,580 acres.

Date for Mailing Timber-Cut Report—

The Manual of Procedure provides that all reports specified as monthly should be mailed to Washington not later than the 5th of the month; it is found, however, that an exception must be made in the case of the monthly report on timber cut. This should be mailed by the District Forester not later than the 15th of the month.

SILVICULTURE.**Estimate of Timber on Relinquished Claims—**

On several occasions it has been found necessary to have information concerning the amount of timber on claims relinquished within the National Forests. Supervisors, when transmitting copies of relinquishments to the District Forester, are requested to include an approximate estimate, by species, of such timber. This should also be done when entries, on which the District Forester has had no report, are canceled by the Department of the Interior. If it be impracticable to supply the estimate at the time the report of the relinquishment is transmitted or the notice of cancellation is received, a promise card (Form 326), indicating the date it will be furnished, should be sent the District Forester.

Careful Description of Timber Condition Necessary—

Reports on timber sales almost invariably describe the timber as over-mature, whereas subsequent inspection shows in many cases the timber to be thrifty trees that could be safely left uncut for a number of years. Over-mature timber can be readily distinguished by partially dead crowns, scanty yellowish foliage, or other indications of extreme old age or approaching decline and death. It is absolutely essential that greater care be taken accurately to describe the present condition of the timber, since this is often one of the chief factors in determining whether a sale should be made.

The Need of Using Check List Names of Trees—

The attention of supervisors and Field officers is again called to the requirement of using the check list names in designating Forest trees. Letters of transmittal, reports, and correspondence received at the District offices show that this requirement is being generally neglected, and that local names are being used. The fact that the names used locally vary so widely, even within the same locality, makes it difficult in many cases for the District offices to know just what species is meant. Field officers should familiarize themselves with the check list names of the species in their locality and should always use them.

Number of Lines Allowed in Advertisements—

It has been found necessary to disallow one or more lines in several newspaper advertisements for applications for grazing permits and timber sales, owing to the fact that certain supervisors have failed to follow the instructions on the second page of the Form BF, voucher for advertising, under "Instructions to the Publishers." The name and title of the Officer signing the advertisement should be continuous with the reading matter, thus: Harry H. French, Forest Supervisor. Only one line should be used for the name of the supervisor and his title. All "copy" should be prepared in accordance with the requirements of the Service, as shown on the form voucher.

Information as to the District Library—

Owing to lack of clerical help it has been found difficult in some cases for the section of Silvies to handle the routine work necessary in caring for the District library according to instructions on Page 71 of the Manual of Procedure. District Foresters may, if they desire, arrange to have the purely routine work handled by the Section of Maintenance, but the general supervision and control of the library will, in every case, remain with the Section of Silvies. Since the appropriation for the purchase of books for field libraries is practically exhausted, it will be impossible, except in unusual cases, to purchase additional books during the remainder of the present fiscal year. Suggestions as to books which are needed in the libraries will be gladly received, however, and placed on file for consideration.

Continued Use of Obsolete Forms—

Many supervisors continue to use obsolete timber-sale forms. Forest descriptions, prepared by rangers on the old Form 578 and approved by the supervisor, are received continually. This form has been obsolete for almost a year. The old forms of timber-sale contracts, bonds, and sawmill agreements are also being used, instead of the new forms. Forms 578-A and 578-B should always be used in preparing Forest Descriptions and estimates; Form 202, pages 1 and 2 and pages 3 and 4, should be used in timber-sale applications and contracts; Form 400, just recently issued, is for use in all sawmill agreements; and Form 377 is the new form of bond. Obsolete forms should be destroyed, and rangers should be supplied with the latest forms.

List of Officers Authorized to Sell Timber—

As soon as possible each supervisor should furnish the District Forester a list of all Forest officers under his supervision who have been authorized to sell dead and green timber not exceeding \$50 in value, in accordance with Regulation 30, page 78, of The Use Book. Whenever on any Forest new men are authorized to make such sales the District Forester should at once be notified of this action, in order that these lists may be kept up to date in the District office.

Specific Signature to Certain Letters—

Correspondence with the Property Auditor relating to property accounts will be signed by the member of the Service who is directly held accountable for the property.

GRAZING.**Drift-Fence Permits should Give Mileage—**

In many cases the reports and permits on drift fences received from supervisors do not show the length of the fence to be constructed. It is important that this be given, so that statistics may be compiled for use in annual reports. The permits should show the length either in rods or miles, whichever measure is more convenient.

Use of Form 861 instead of Form 762—

Some of the supervisors seem to be confused about the use of Form 861 in connection with grazing permits and are sending to the District Foresters duplicates of this form instead of Form 762. Only in grazing-trespass cases and grazing-use cases are duplicates of Form 861 to be forwarded to the District office.

Changes in Established Grazing Periods, Allowances, etc.—

Supervisors' letters or recommendations requesting special grazing periods and rates or changes in the prescribed allowances for their Forests should be submitted to the District Forester in duplicate, as in the case of annual reports.

Grazing Uses and Reports Connected with Them—

Supervisors should be careful to transmit the report and duplicate Form 861 with the permit in each special use case, in order to avoid unnecessary subsequent correspondence by the District office; and in all cases permits should bear the same designation as the Form 861. In no instance should the date in the case designation precede that of the report or the application.

Use of Private Lands of Indeterminate Status—

In some cases permits for the use of private lands are being issued by supervisors to permittees whose names do not appear on the records of previous permits, and with nothing to show whether the status has been determined, although this might have been done in connection with some previous permit to another. All such permits should be accompanied by a memorandum or letter showing whether the status has been previously determined and in what manner.

Grazing on Unperfected Mining Claims—

A mining claimant holding an unperfected valid claim has no right to graze stock upon it which is not used in the development of the mine, or to sell the forage to anyone else; but it is the policy of the Forest Service to give the mining claimant every protection needed successfully to carry on his work.

Persons holding permits for range within which unperfected valid mining claims are located should be warned not to allow their stock to graze upon such claims when this would interfere with the development of the mine or the consumption of forage needed by stock used in its development.

Refunds must be Approved by District Forester—

Particular attention is called to the instructions under Regulation 57, which require the supervisor to forward all requests for grazing refunds to the District Forester with recommendations for approval or rejection. The District Forester will decide whether or not the refund will be made. All vouchers for grazing refunds will be prepared by the District Forester and sent to the supervisor for the signature of the applicant.

Permits for Sheep and Goats under Regulation 54—

In National Forests, where small portions of the range along the boundary line are well adapted to sheep or goat grazing, but are not of sufficient area to support a band of sheep or goats during the regular grazing periods and can only be used to advantage in connection with the adjoining outside range, or where portions of the outside range can only be used to advantage in connection with watering places located within the National Forests, it will be within the authority of the District Forester to allow the issuance of permits under the provisions of Regulation 54 requiring the grazing fees to be paid only on such number of animals as would be proportionate with the amount of National Forest range. But no such application will be approved by the supervisor until authority has first been received from the District Forester.

Designation of Grazing District Subdivisions—

Whenever it is possible, subdivisions of grazing districts should be designated by local names instead of by numbers or letters. For example, the description in the permit should be "Green River Cattle Range," District 2, in preference to "subdivision 3," District 2. When individual range allotments are made they should be described briefly in the permit either by natural boundaries or section lines. It is believed this method will be better understood by the stockmen and will be less liable to cause confusion in the records.

PRODUCTS.

Distribution of Publications—

In the future when circulars and other publications are issued they will be distributed to members of the Service in the manner provided for the distribution of the Field Program on pages 12 and 13 of the Manual of Procedure.

In accordance with an order of the Secretary of Agriculture, no distribution of publications shall be made by any office of the Forest Service except when it is desired to send a marked copy referred to in a letter, or to hand a copy to a visitor. In all other cases, applications for the mailing of publications must be made on publication requests, Form 9-Doc. Sec., or Form 10A-Doc. Sec. These must bear in the lower left-hand corner the initials of the District Forester, or, if the requests emanate from an office in Washington, the initials of the office chief. The initials of the Forester should be stamped on the line marked "(Name)". All such requests from District offices should be mailed to the Forester.

Distribution of Forms—

The entire remaining stock of forms for District use has this month been transferred from the Property Clerk in Washington to the Property Clerk at Ogden, on whom all requisitions must in future be drawn. It is therefore important that the needs of the several Districts should be anticipated well in advance by District officers, since there is absolutely no longer a supply in Washington on which emergency drafts may be made. It is suggested that each District Forester should inform the Property Clerk at Ogden, with each order for a given form, how long a time the quantity of that form called for will probably last, to enable him better to estimate the quantity he should carry in stock.

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Issued March 1, 1909.

United States Department of Agriculture,
FOREST SERVICE.

GIFFORD PINCHOT, Forester.

FIELD PROGRAM FOR MARCH, 1909.

This program of field work and assignments in the Forest Service is issued on the first day of each month, and is for the exclusive use of members of the Service and cooperating bureaus. The names of members whose assignments are not yet fixed and reference to projects for which plans have not been matured are necessarily omitted. All orders and other instructions printed in the Field Program will apply to all Districts.

It is requested that the members of the Forest Service cooperate in making this program complete and accurate.

Unless the address of a member is given in this program or is definitely known, he should be addressed in care of the Forest Service, Washington, D. C.

OFFICE OF THE FORESTER.

GIFFORD PINCHOT, Forester.

OVERTON W. PRICE, Associate Forester.

HARRY L. HILL, Secretary to the Forester.

P. P. WELLS, Law Officer.

A. C. SHAW, Principal Examiner.

HERBERT A. SMITH, Editor.

GEORGE B. SUDWORTH, Dendrologist.

R. S. KELLOGG, Assistant Forester, engaged upon forest statistics.

EUGENE S. BRUCE, Expert Lumberman.

D. D. BRONSON,
R. E. BENEDICT, } General Inspectors.

E. M. GRIFFITH, Special Inspector, for Indian Reservations in Wisconsin, Madison, Wis.

OPERATION.

JAMES B. ADAMS, Assistant Forester, in Charge.

CHAS. S. CHAPMAN, Assistant Forester.

H. B. CRAMER, Fiscal Agent.

GEORGE G. ANDERSON, Assistant in Office Methods.

OCCUPANCY.

M. J. McVEAN, Chief.

ACCOUNTS.

W. R. FUCHS, District Fiscal Agent.

GEOGRAPHY.

F. G. PLUMMER, Chief.

Atlas, G. B. BRUCE, Acting.

Drafting, C. A. KOLB.

Alienation, J. B. SATTERLEE.

Photography, A. G. VARELA.

MAINTENANCE.

GEORGE A. BENTLEY, Acting Chief.

SILVICULTURE.

WILLIAM T. COX, Assistant Forester, in Charge.

E. E. CARTER, Assistant Forester.

FEDERAL COOPERATION.

A. B. PATTERSON, Chief.
H. IRION, Assistant.

PROJECTS.

Arizona—

Supervision of cutting San Carlos Indian Reservation—J. J. WOOLSEY, San Carlos.

Minnesota—

Inspection of logging on Red Lake Indian Reservation—W. R. MCKINNON, Red Lake.

Oregon—

Supervision of cutting on Klamath Indian Reservation—J. W. KELSEOE, Klamath Agency.

Wisconsin—

Lumbering operations on the Menominee Indian Reservation—E. A. BRANIFF, Neopit.

Inspection of logging on Indian reservations in northern Wisconsin and Minnesota—J. R. FARR, Phillips, Wis.

Inspection of logging on the Bad River Indian Reservation—T. F. YOUNG, MARK BURNS, W. H. FARR, and W. C. MCRAE, Ashland.

STATE AND PRIVATE COOPERATION.

J. G. PETERS, Chief.

PROJECTS.

Alabama—

Preparation of a working plan for the Tennessee Coal, Iron and Railroad Company—W. B. PIPER, J. ST. J. BENEDICT, E. D. CLARK, G. T. BACKUS, Birmingham.

Preparation of report on preliminary examination of forest conditions, in cooperation with the State Commission of Forestry—J. H. FOSTER, Washington, D. C.

Eastern States—

General inspection of experiments in nursery and planting work, in cooperation with different States—E. O. SIECKE, Washington, D. C.

Seed testing and seed storage—N. H. GRUBB, Washington, D. C.

Timberland examinations, in cooperation with private owners—R. C. HALL, W. B. WILLEY, Washington, D. C.

Florida—

Preliminary examination of forest conditions, in cooperation with the State—N. C. BROWN, Jacksonville.

Illinois—

Preparation of report on preliminary examination of forest conditions, in cooperation with the State Laboratory of Natural History—W. BRADFIELD, Washington, D. C.

Montana—

Preparation of report on forest lands, in cooperation with the Northern Pacific Railway Company—L. S. MURPHY, Washington, D. C.

SILVICS.

RAPHAEL ZON, Chief.

PROJECTS.**Southern States—**

Study of bald cypress—F. T. MCLEAN, New Orleans, La.

Western States—

Location of insect-infested timber in the National Forests, with recommendations as to insect control—W. D. EDMONSTON, Washington, D. C.

Library, Miss H. E. STOCKBRIDGE.

Compilation, E. H. FROTHINGHAM.

GRAZING.

A. F. POTTER, Assistant Forester, in Charge.

L. F. KNEIPP, Assistant Forester (in the Field).

WILL C. BARNES, Acting as Assistant Chief.

PROJECTS.

Cooperative studies; private and state lands—W. C. CLOS, Washington, D. C.

Forage investigations; compilation of data—F. V. COVILLE, Botanist, Bureau of Plant Industry, in charge, Washington, D. C.; JAMES T. JARDINE, Deputy Forest Supervisor, Wallowa, Oreg., and ARTHUR T. SAMPSON, Plant Ecologist, Washington, D. C.

Identification of grasses and plants—Dr. EDWARD L. GREENE, Consulting Expert, Washington, D. C.

Poisonous-plant investigations—Prof. C. D. MARSH, Expert, Bureau of Plant Industry, in charge, Washington, D. C.; IVAR TIDESTROM, Scientific Assistant, Washington, D. C.

Extermination of prairie dogs—H. L. BENHAM, Grazing Assistant, Denver, Colo.

PRODUCTS.

WM. L. HALL, Assistant Forester, in Charge.

MCGARVEY CLINE, Assistant Forester.

WOOD UTILIZATION.

H. S. BETTS, Acting Chief.

PROJECTS.**Turpentining studies—**

Statistics on production—J. O. LA FONTSEE, Washington, D. C.

Computing, E. A. ZIEGLER.

PROJECTS.

Compilation of forest tables—E. A. ZIEGLER and W. B. BARROWS, both at Washington, D. C.

Computing—Silvical data; timber tests; timber sales.

Wood Chemistry, H. S. BRISTOL.**PROJECTS.**

Study of methods of wood distillation and for the standardization and grading of turpentines—L. F. HAWLEY, Washington, D. C.; assistant, F. E. LICHTENTHAELER, 88 Broad street, Boston, Mass.

Experiments with various woods and waste materials for paper pulp—E. SUTERMEISTER; assistant, J. L. MERRILL, both at Washington, D. C.

Study of wood preservatives and of chemical problems in wood utilization—E. BATEMAN; assistant, C. F. SPEH, both at Washington, D. C.

Compilation of data on materials used in paper making—H. E. SURFACE, Washington, D. C.

Wood Uses, ROLF THELEN, Acting.**PROJECTS.****Connecticut—**

Study of the effect of drying on strength of timber and the absorption of water at various temperatures, in cooperation with Yale University—H. D. TIEMANN, Yale Station, New Haven; assistants, H. E. MCKENZIE and CORNELIUS BARRY.

Microscopic study of the mechanical failure of wood—W. D. BRUSH, New Haven.

Indiana—

Tests of structural timbers, including several hickories, in cooeration with Purdue University, the Illinois Central Railway Company, and the National Hickory Association—W. K. HATT, Purdue University, La Fayette; assistants, J. A. NEWLIN, J. O. BIXBY, WILLIAM D. DUDDING, T. LYONS, and H. WEYLS.

General Studies—

Collection of statistics of forest products, in cooperation with the Bureau of the Census—GEORGE K. SMITH, Lumbermen's Building, St. Louis, Mo.

Study of wood-using industries and markets for forest products—H. S. SACKETT, Washington, D. C.; FRANKLIN H. SMITH, 776 Federal Building, Chicago, Ill.

WOOD PRESERVATION.

W. F. SHERFESSEE, Chief (in the Field).

HOWARD F. WEISS, Acting Chief.

PROJECTS.

Preparation of an exhibit for the Alaska-Yukon-Pacific Exposition—C. P. WINSLOW, Washington, D. C.

Compilation of data on wood preservation—M. C. JENSEN, Washington, D. C.

Cooperation, JOHN M. NELSON, Jr.**Alabama—**

Construction and experimental operation of a wood-preserving plant, in cooperation with the Tennessee Coal, Iron and Railroad Company—EDWARD H. FORD, Birmingham.

Idaho—

Preparation of report on installation and experimental operation of treating plants in cooperation with the Bunker Hill and Sullivan Mining and Concentrating Company and the Hercules Mining Company—P. R. HICKS, Missoula, Mont.

Indiana—

Design for a treating plant, in cooperation with the Indianapolis, Columbus and Southern Traction Company—E. W. PETERS, Washington, D. C.

Louisiana—

Experiments in treating the products of southern lumber mills, in cooperation with the Great Southern Lumber Company—CHARLES T. BARNUM, Bogalusa.

Minnesota—

Preservative treatment of fence posts and other farm timbers, in cooperation with the University of Minnesota—C. P. WILLIS, St. Anthony Park, St. Paul.

Mississippi—

Construction and experimental operation of a wood-preserving plant, in cooperation with the Gulf Arm and Creosoting Company—H. M. MASON, Jr., Hattiesburg, Miss.

Pennsylvania—

Experimental operation of a wood-preserving plant, in cooperation with the Philadelphia and Reading Coal and Iron Company—JOHN M. NELSON, Jr., Washington, D. C.; assistant, detailed by the company, L. W. CONRAD, Pottsville, Pa.

Research, HOWARD F. WEISS.**PROJECTS.**

General plans for an experimental laboratory building—E. W. PETERS, Washington, D. C.

Designs and specifications for machinery in experimental laboratory—FRANCIS M. BOND, Washington, D. C.

PUBLICATION.**FINDLEY BURNS, Chief.**

Review, BRISTOW ADAMS.

Education, DON CARLOS ELLIS, Acting.

Distribution, WILLIS G. BROWN.

PUBLICATIONS IN FEBRUARY.

Circular 155.—Production and Consumption of Basket Willows in the United States for 1906 and 1907.

DISTRICTS.

DISTRICT 1.

Montana, northeastern Washington, northern Idaho, northern Wyoming, northwestern South Dakota, and southwestern North Dakota.

Office, Hammond Block, Missoula, Mont.

W. B. GREELEY, District Forester.

F. A. SILCOX, Assistant District Forester.

W. M. AIKEN, District Law Officer.

OPERATION.

R. H. RUTLEDGE, Chief.

R. Y. STUART, Assistant Chief.

Organization, C. E. SCHOONOVER, Acting.

Engineering, J. P. MARTIN.

Occupancy, E. B. QUIGGLE, Acting.

Accounts, H. I. LOVING, District Fiscal Agent.

Maintenance, R. L. CAMPBELL.

SILVICULTURE.

A. W. COOPER, Chief.

D. T. MASON, Assistant Chief.

Timber Sales, Chief and Assistant Chief of Silviculture.

Planting, E. C. CLIFFORD.

Silvics, E. I. TERRY.

GRAZING.

C. H. ADAMS, Chief.

W. S. PERRINE, Assistant Chief.

PRODUCTS.

W. F. SHERFESEE, Acting Chief.

F. I. ROCKWELL, Assistant Chief.

PROJECT.

Montana—

Study of wood-using industries and markets for forest products—**F. I. ROCKWELL**, Missoula, Mont.

NATIONAL FORESTS.

IDAHO.

Beaverhead—See Montana.
Clearwater—F. A. FENN, Forest Supervisor, Kooskia.
Coeur d'Alene—W. G. WEIGLE, Forest Supervisor, Wallace; RUTLEDGE PARKER, Forest Assistant.
Kaniksu—See Washington.
Nezperce—GEO. V. RING, Forest Supervisor, Grangeville.
Pend Oreille—J. E. BARTON, Forest Supervisor, Sandpoint.

MONTANA.

Absaroka—V. GIFFORD LANTRY, Forest Supervisor, Livingston; HARRY S. KAUFMAN, Deputy Forest Supervisor.
Beartooth—E. C. RUSSELL, Forest Supervisor, Red Lodge.
Beaverhead—C. K. WYMAN, Forest Supervisor, Dillon; R. J. MOORE, Deputy Forest Supervisor.
Bitterroot—W. W. WHITE, Forest Supervisor, Missoula.
Blackfeet—F. N. HAINES, Forest Supervisor, Kalispell; R. P. McLAUGHLIN, Deputy Forest Supervisor; C. N. WHITNEY, Forest Assistant.
Cabinet—RALPH H. BUSHNELL, Acting Forest Supervisor, Thompson Falls.
Custer—GLEN A. SMITH, Acting Forest Supervisor, Ashland.
Deerlodge—C. C. HALL, Forest Supervisor, Anaconda; F. S. PATTON, Forest Assistant.
Flathead—PAGE S. BUNKER, Forest Supervisor, Kalispell.
Gallatin—D. T. CONKLING, Forest Supervisor, Bozeman; A. A. SAUNDERS, Forest Assistant.
Helena—DWIGHT BUSHNELL, Forest Supervisor, Helena.
Jefferson—J. B. SEELY, Forest Supervisor, Great Falls.
Kootenai—W. A. RAYMOND, Acting Forest Supervisor, Libby.
Lewis and Clark—W. H. DAUGS, Forest Supervisor, Chouteau.
Lolo—ELERS KOCH, Forest Supervisor, Missoula; M. N. STICKNEY, Forest Assistant.
Madison—CLIFTON W. HUDSON, Acting Forest Supervisor, Sheridan.
Missoula—D. G. KINNEY, Forest Supervisor, Missoula.
Sioux—See South Dakota.

NORTH DAKOTA.

Dakota—C. A. BALLINGER, Forest Supervisor, Camp Crook, S. Dak.

SOUTH DAKOTA.

Sioux—C. A. BALLINGER, Forest Supervisor, Camp Crook.

WASHINGTON.

Kaniksu—W. N. MILLAR, Acting Forest Supervisor, Newport.

WYOMING.

Bighorn—W. E. JACKSON, Forest Supervisor, Big Horn; HERBERT GRAFF, Deputy Forest Supervisor; WM. C. LATANE, Forest Assistant.
Shoshone—H. W. THURSTON, Forest Supervisor, Cody.

DISTRICT 2.

Colorado, southern Wyoming, South Dakota, northwestern Minnesota, Nebraska, and western Kansas.

Office, Majestic Building, Denver, Colo.

SMITH RILEY, District Forester.
P. G. REDINGTON, Assistant District Forester.

J. M. CATES, District Law Officer.

OPERATION.

FRED W. MORRELL, Chief.
C. J. STAHL, Assistant Chief.

Organization, Chief and Assistant Chief of Operation.

Engineering, R. E. MESNARD.

Occupancy, FRED LEES.

Accounts, E. A. MELZAR, District Fiscal Agent.

Maintenance, J. W. DILLY.

SILVICULTURE.

A. K. CHITTENDEN, Chief.
S. L. MOORE, Assistant Chief.

Timber Sales, R. W. ALLEN, Acting.

Planting, L. C. MILLER.

Silvics, C. G. BATES.

GRAZING.

J. W. NELSON, Chief.
E. N. KAVANAGH, Assistant Chief.

PRODUCTS.

C. L. HILL, Chief.
G. R. OGIER, Assistant Chief.

PROJECTS.

Colorado—

Preservative treatment of railway cross-ties, in cooperation with the Colorado Midland Railway Company—D. L. CARMODY, Denver, Colo.

Preservative treatment of telephone poles, in cooperation with the Central Colorado Power Company—D. L. CARMODY, Denver, Colo.

Tests on bristle-cone pine cross-ties, in cooperation with the University of Colorado and the Clyde Timber Company—A. L. HEIM, Boulder, Colo.

Tests on Western yellow pine and Colorado Doug as fir cross-ties, in cooperation with the University of Colorado and the Colorado and Northwestern Railway Company—A. L. HEIM, Boulder, Colo.

Tests on trestle timbers, in cooperation with the University of Colorado and the Denver City Tramway Company—A. L. HEIM, Boulder, Colo.

South Dakota—

Supervision of operation of treating plant, in cooperation with the Homestake Mining Company—JAS. A. SILSBEE, Englewood, S. Dak.

NATIONAL FORESTS.

COLORADO.

Arapaho—C. G. POOLE, Acting Forest Supervisor, Sulphur Springs.

Battlement—DAVID ANDERSON, Forest Supervisor, Collbran; JOHN W. LOWELL, Jr., Deputy Forest Supervisor.

Cochetopa—EUGENE WILLIAMS, Forest Supervisor, Saguache.

Gunnison—Wm. R. KREUTZER, Forest Supervisor, Gunnison; E. C. BERKY, Deputy Forest Supervisor.

Hayden—See Wyoming.

Holy Cross—HARRY H. FRENCH, Forest Supervisor, Glenwood Springs; JOHN McLAREN, Deputy Forest Supervisor; JAY HIGGINS, Forest Assistant.

La Salle—See Utah.

Las Animas—C. A. WHITNEY, Acting Forest Supervisor, La Veta.

Leadville—A. L. STROUP, Forest Supervisor, Leadville; J. F. BRUINS, Deputy Forest Supervisor; J. E. MARTIN, Forest Assistant.

Medicine Bow—H. N. WHEELER, Forest Supervisor, Fort Collins.

Montezuma—RESS PHILLIPS, Forest Supervisor, Mancos.

Pike—C. W. FITZGERALD, Forest Supervisor, Denver; W. J. MORRILL, Deputy Forest Supervisor; H. C. NEEL, Forest Assistant; Pikes Peak Planting Station—W. SCHRADER, Forest Planting Assistant, Monument.

Rio Grande—F. C. SPENCER, Forest Supervisor, Monte Vista; P. T. COOLIDGE, Forest Assistant.

Routt—J. H. RATLIFF, Acting Forest Supervisor, Steamboat Springs.

San Isabel—J. N. LANGWORTHY, Acting Forest Supervisor, Westcliffe.

San Juan—ERNEST W. SHAW, Forest Supervisor, Durango; A. L. SWEITZER, Deputy Forest Supervisor; PETER KEPLINGER, Forest Assistant.

Uncompahgre—HENRY L. SPENCER, Acting Forest Supervisor, Delta; J. H. RAMSKILL, Forest Assistant.

White River—JAMES A. BLAIR, Forest Supervisor, Meeker; I. T. WORTHLEY, Forest Assistant.

KANSAS.

Kansas—B. R. H. D'ALLEMAND, Acting Forest Supervisor, Garden City; Garden City Planting Station—C. R. TAYLOR, Forest Planting Assistant.

MINNESOTA.

Minnesota—G. E. MARSHALL, Forest Supervisor, Cass Lake.

NEBRASKA.

Nebraska—W. H. MAST, Forest Supervisor, Halsey; H. R. SHOCKLEY, Deputy Forest Supervisor; Halsey Planting Station—L. BESLEY and C. R. BECHTLE, Forest Planting Assistants.

SOUTH DAKOTA.

Black Hills—E. M. HAMILTON, Forest Supervisor, Deadwood; A. L. LYNN, Deputy Forest Supervisor; JOHN MURDOCH, Jr., and ROBERT E. CLARK, Forest Assistants.

WYOMING.

Cheyenne—P. S. LOVEJOY, Acting Forest Supervisor, Saratoga; R. A. STRETCH and ARTHUR M. COOK, Forest Assistants.

Hayden—JAMES BLACKHALL, Acting Forest Supervisor, Encampment.

Sundance—G. C. SMITH, Acting Forest Supervisor, Sundance.

DISTRICT 3.

Arizona, Arkansas, Florida, New Mexico, and Oklahoma.

Office, Strickler-Luna Building, Albuquerque, N. Mex.

A. C. RINGLAND, District Forester.

E. H. CLAPP, Assistant District Forester.

H. B. JAMISON, District Law Officer.

OPERATION.

A. O. WAHA, Chief.

R. G. WILLSON, Assistant Chief.

Organization, Chief and Assistant Chief of Operation.

Engineering, E. H. JONES.

Occupancy, B. FRANKLIN.

Accounts, J. J. DUFFY, District Fiscal Agent.

Maintenance, W. B. BUNTON.

SILVICULTURE.

T. S. WOOLSEY, Jr., Chief.

A. B. RECKNAGEL, Assistant Chief.

Timber Sales, J. F. ELDREDGE, Acting.

Planting, A. S. PECK.

R. L. ROGERS, Assistant.

Silvics, W. R. MATTOON.

G. A. PEARSON, Assistant, Coconino Forest Experiment Station, Flagstaff, Ariz.

GRAZING.

J. K. CAMPBELL, Chief.

JOHN KERR, Assistant Chief.

PRODUCTS.

O. T. SWAN, Chief.

NATIONAL FORESTS.

ARIZONA.

Apache—JOHN D. GUTHRIE, Acting Forest Supervisor, Springerville; W. H. KOBBE, Forest Assistant.

Chiricahua—A. H. ZACHAU, Acting Forest Supervisor, Douglas; H. D. BURRALL, Forest Assistant.

Coconino—WILLARD M. DRAKE, Acting Forest Supervisor, Flagstaff.

Coronado—ROBERT J. SELKIRK, Forest Supervisor, Benson.

Crook—T. T. SWIFT, Forest Supervisor, Safford.

Garces—W. H. B. KENT, Forest Supervisor, Nogales.

Prescott—C. H. HINDERER, Forest Supervisor, Prescott.

Sitgreaves—ALEX. J. MACKAY, Forest Supervisor, Snowflake.

Tonto—J. W. FARMER, Acting Forest Supervisor, Roosevelt.

ARKANSAS.

Arkansas—S. J. RECORD, Forest Supervisor, Mena; FRANCIS KIEFER, Forest Assistant.

Ozark—DAVID E. FITTON, Forest Supervisor, Harrison; W. F. HILL, Deputy Forest Supervisor.

FLORIDA.

Choctawhatchee } —Not under administration.
Ocala }

NEW MEXICO.

Alamo—ARTHUR M. NEAL, Forest Supervisor, Alamagordo; L. L. JANES, Forest Assistant.

Carson—Ross McMILLAN, Forest Supervisor, Santa Fe; THOS. R. STEWART, Deputy Forest Supervisor; HARRY J. POOLER, Forest Agent.

Chiricahua—See Arizona.

Datil—W. H. GODDARD, Forest Supervisor, Magdalena; R. F. BALTHIS, Deputy Forest Supervisor.

Gila—DOUGLAS RODMAN, Acting Forest Supervisor, Silver City; FRANK E. ANDREWS, Deputy Forest Supervisor; Fort Bayard Planting Station—H. C. TURNER and A. HEDRICKS, Forest Planting Assistants.

Jemez—Ross McMILLAN, Forest Supervisor, Santa Fe; THOS. R. STEWART, Deputy Forest Supervisor; HARRY J. POOLER, Forest Agent.

Lincoln—J. A. SCOTT, Acting Forest Supervisor, Capitan.

Magdalena—W. H. GODDARD, Forest Supervisor, Magdalena; R. F. BALTHIS, Deputy Forest Supervisor.

Manzano—J. F. MULLEN, Acting Forest Supervisor, Albuquerque.

Pecos—Ross McMILLAN, Forest Supervisor, Santa Fe; THOS. R. STEWART, Deputy Forest Supervisor; Las Gallinas Planting Station—W. D. HAYES, Forest Assistant; HARRY J. POOLER, Forest Agent.

OKLAHOMA.

Wichita—FRANK RUSH, Acting Forest Supervisor, Cache.

DISTRICT 4.

Utah, southern Idaho, western Wyoming, eastern Nevada, and northwestern Arizona.

Office, First National Bank Building, Ogden, Utah.

CLYDE LEAVITT, District Forester.

FRANKLIN W. REED, Assistant District Forester.

W. C. HENDERSON, District Law Officer.

OPERATION.

R. P. IMES, Chief.

E. H. CLARKE, Assistant Chief.

Organization, Chief and Assistant Chief of Operation.

Engineering, A. T. MITCHELSON.

Occupancy, TIMOTHY C. HOYT.

Accounts, Q. R. CRAFT, District Fiscal Agent.

Maintenance, R. E. CONNER.

SILVICULTURE.

L. L. WHITE, Chief.

O. M. BUTLER, Assistant Chief.

Timber Sales, Chief and Assistant Chief of Silviculture.

Planting, J. M. FETHEROLF.

Silvics, E. R. HODSON.

GRAZING.

HOMER E. FENN, Chief.

A. C. McCAIN, Assistant Chief.

PRODUCTS.

A. L. BROWER, Chief.

SUPPLY DEPOT.

A. M. SMITH, Property Clerk.

PROPERTY AUDIT.

J. G. FALCK, Property Auditor.

NATIONAL FORESTS.**ARIZONA.**

Dixie—See Utah.

Kaibab—JOHN H. CLARK, Forest Supervisor, Kanab, Utah; DANIEL K. JUDD, Deputy Forest Supervisor.

IDAHO.

Boise—E. GRANDJEAN, Forest Supervisor, Boise; WALTER A. HOPSON, Forest Assistant.

Cache—See Utah.

Caribou—N. E. SNELL, Forest Supervisor, Idaho Falls.

Challis—DAVID LAING, Forest Supervisor, Challis.

Idaho—HENRY A. BERGH, Forest Supervisor, Meadows.
Lemhi—C. I. HUDDLE, Forest Supervisor, Mackay.
Minidoka—WM. MCCOY, Forest Supervisor, Oakley.
Payette—GUY B. MAINS, Forest Supervisor, Emmett; CARL B. ARENTSON, Deputy Forest Supervisor.
Pocatello—CLINTON G. SMITH, Forest Supervisor, Pocatello; Pocatello Planting Station—P. T. WRENSTED, Forest Ranger.
Salmon—GEORGE G. BENTZ, Forest Supervisor, Salmon City; JAS. M. RYAN, Deputy Forest Supervisor.
Sawtooth—C. N. WOODS, Forest Supervisor, Hailey; H. G. MCPHETERS, Deputy Forest Supervisor.
Targhee—DAVID BARNETT, Forest Supervisor, St. Anthony; FOSTER STEELE, Deputy Forest Supervisor.
Weiser—J. B. LAFFERTY, Forest Supervisor, Weiser; W. M. CAMPBELL, Deputy Forest Supervisor.

NEVADA.

Humboldt—C. SYDNEY TREMEWAN, Forest Supervisor, Elko.
Moapa—HARRY E. MATHEWS, Acting Forest Supervisor, Las Vegas.
Nevada—Not under administration.
Toiyabe—M. S. BENEDICT, Acting Forest Supervisor, Austin.

UTAH.

Ashley—W. M. ANDERSON, Forest Supervisor, Vernal.
Cache—W. W. CLARK, Forest Supervisor, Logan; J. F. SQUIRES, Deputy Forest Supervisor; J. E. ROTHERY, Forest Assistant.
Dixie—JAMES E. JEWELL, Acting Forest Supervisor, St. George.
Fillmore—WM. HURST, Forest Supervisor, Beaver.
Fishlake—OLUF G. NIELSON, Acting Forest Supervisor, Salina.
La Salle—JOHN RIIS, Acting Forest Supervisor, Moab.
Manti—A. W. JENSEN, Forest Supervisor, Ephraim; ERNEST WINKLER, Deputy Forest Supervisor.
Minidoka—See Idaho.
Nebo—DAN S. PACK, Forest Supervisor, Payson.
Pocatello—See Idaho.
Powell—GEO. H. BARNEY, Forest Supervisor, Escalante.
Sevier—O. C. SNOW, Forest Supervisor, Panguitch; FRANK W. SEAMAN, Deputy Forest Supervisor.
Uinta—W. I. PACK, Forest Supervisor, Provo.
Wasatch—R. V. R. REYNOLDS, Acting Forest Supervisor, Salt Lake City; C. F. COOLEY, Deputy Forest Supervisor; Wasatch Planting Station, N. J. FETHEROLF, Forest Planting Assistant.

WYOMING.

Ashley—See Utah.
Bonneville—ZEPH JONES, Forest Supervisor, Pinedale; H. EARLE FRENCH, Forest Assistant.
Caribou—See Idaho.
Targhee—See Idaho.
Teton—R. E. MILLER, Forest Supervisor, Jackson.
Wyoming—JOHN RAPHAEL, Forest Supervisor, Afton.

DISTRICT 5.

California and southwestern Nevada.

Office, First National Bank Building, San Francisco, Cal.

F. E. OLMFSTED, District Forester,
COERT DUBOIS, Assistant District Forester.

E. A. LANE, District Law Officer.

OPERATION.

R. L. FROMME, Chief.
ROY HEADLEY, Assistant Chief.

Organization, Chief and Assistant Chief of Operation
Engineering, F. C. WALES.
Occupancy, R. F. HAMMATT.
Accounts, J. S. SWAN, District Fiscal Agent.
Maintenance, A. L. DAHL.

SILVICULTURE.

G. M. HOMANS, Chief.
T. D. WOODBURY, Assistant Chief.

Timber Sales, Chief and Assistant Chief of Silviculture.
Planting, G. W. PEAVY.

PROJECTS.

Examination at the request of the War Department of the pine lands on the Presidio of Monterey, at Monterey, Cal., to recommend a plan for cutting—SWIFT BERRY, Monterey, Cal.

Supervision of an improvement cutting on the San Miguel Eucalyptus, Monterey Pine, and Cypress plantation, in the city of San Francisco, in cooperation with the estate of Adolph Sutro—SWIFT BERRY.

Silvics, T. R. COOPER.

GRAZING.

JOHN H. HATTON, Chief.
M. B. ELLIOTT, Assistant Chief.

PRODUCTS.

C. S. SMITH, Acting Chief.

PROJECTS.

Tests of the strength of eucalyptus, redwood, and tanbark oak, in cooperation with the University of California, the Northwestern Redwood Company, and the California Redwood Association—G. R. GESSERT, Berkeley.

Study of wood-using industries and markets for forest products—J. V. WULFF, San Francisco.

Operation of an experimental wood-preserving plant, in cooperation with the Southern Pacific Company—C. S. SMITH, San Francisco.

Inspection of wood-distillation projects of the Diamond Match Company, at Chico and Sterling City—J. V. WULFF, San Francisco.

NATIONAL FORESTS.**CALIFORNIA.**

Angeles—R. H. CHARLTON, Forest Supervisor, Los Angeles; ERNEST B. LONG, Deputy Forest Supervisor; Lytle Creek Planting Station; SEROPE Y. PARNAY and F. L. RICKY, Forest Planting Assistants, San Bernardino.

California—ERNEST BRITTEN, Forest Supervisor, Willows.

Cleveland—H. A. E. MARSHALL, Forest Supervisor, San Diego; ARTHUR W. BARTLETT, Deputy Forest Supervisor.

Inyo—A. H. HOGUE, Forest Supervisor, Bishop.

Klamath—FRANK W. HARLEY, Acting Forest Supervisor, Yreka; R. G. POND, Forest Assistant.

Lassen—L. A. H. KLING, Forest Supervisor, Red Bluff; J. C. LA PLANT, Deputy Forest Supervisor.

Modoc—C. E. RACHFORD, Forest Supervisor, Alturas.

Mono—See Nevada.

Monterey—N. O. TORSTENSEN, Forest Supervisor, Salinas.

Plumas—L. A. BARRETT, Forest Supervisor, Quincy; W. G. DURBIN, Deputy Forest Supervisor; J. R. HALL, Forest Assistant.

San Luis—E. S. MAINWARING, Forest Supervisor, San Luis Obispo.

Santa Barbara—WILLIS M. SLOSSON, Forest Supervisor, Santa Barbara; H. G. MERRILL, Deputy Forest Supervisor.

Sequoia—E. A. SHERMAN, Forest Supervisor, Hot Springs; W. C. BURTON, Deputy Forest Supervisor; W. M. MAULE, Forest Assistant.

Shasta—W. B. RIDER, Forest Supervisor, Sisson.

Sierra—C. H. SHINN, Forest Supervisor, Northfork; H. J. TOMPKINS, Forest Assistant; WM. G. HOWARD, Forest Assistant.

Stanislaus—R. W. AYRES, Forest Supervisor, Sonora; D. N. ROGERS, Forest Assistant.

Tahoe—R. L. P. BIGELOW, Forest Supervisor, Nevada City; M. B. PRATT, Forest Assistant.

Trinity—F. H. HAFLEY, Forest Supervisor, Weaverville; W. A. HUESTIS, Deputy Forest Supervisor.

NEVADA.

Inyo—See California.

Mono—J. C. WELLS, Forest Supervisor, Gardnerville.

Tahoe—See California.

DISTRICT 6.

Washington, Oregon, a small portion of northern California, and Alaska.

Office, Beck Building, Portland, Oreg.

E. T. ALLEN, District Forester.

GEO. H. CECIL, Assistant District Forester.

C. R. PIERCE, District Law Officer.

OPERATION.

C. H. FLORY, Chief.

C. J. BUCK, Assistant Chief.

Organization, Chief and Assistant Chief of Operation.

Engineering, W. E. HERRING.

Occupancy, W. F. STALEY.

Accounts, A. H. COUSINS, District Fiscal Agent.

Maintenance, SHIRLEY BUCK.

SILVICULTURE.

F. E. AMES, Chief.

C. S. JUDD, Assistant Chief.

Timber Sales, Chief and Assistant Chief of Silviculture.

Planting, J. F. KUMMEL.

Silvics, T. T. MUNGER.

GRAZING.

HOWARD K. O'BRIEN, Chief.

T. P. MCKENZIE, Assistant Chief.

PRODUCTS.

J. B. KNAPP, Chief.

H. B. OAKLEAF, Assistant Chief.

NATIONAL FORESTS.

ALASKA.

Chugach—W. A. LANGILLE, Forest Supervisor, Ketchikan; HOWARD M. CONRAD, Deputy Forest Supervisor; LAGE WERNSTEDT, Forest Assistant.
Tongass—W. A. LANGILLE, Forest Supervisor, Ketchikan; HOWARD M. CONRAD, Deputy Forest Supervisor; LAGE WERNSTEDT, Forest Assistant.

CALIFORNIA.

Crater—See Oregon.

Siskiyou—See Oregon.

OREGON.

Cascade—C. R. SEITZ, Forest Supervisor, Eugene; J. R. HARVEY, Deputy Forest Supervisor; CHESTER B. COX, Forest Assistant.
Crater—M. L. ERICKSON, Forest Supervisor, Medford; S. S. SWENNING, Deputy Forest Supervisor; H. D. FOSTER, Forest Assistant.
Deschutes—A. S. IRELAND, Forest Supervisor, Prineville.
Fremont—GUY M. INGRAM, Forest Supervisor, Lakeview; G. D. BROWN, Deputy Forest Supervisor.
Malheur—CY. J. BINGHAM, Forest Supervisor, John Day.
Oregon—T. H. SHERRARD, Forest Supervisor, Portland; RALPH S. SHELLEY, Deputy Forest Supervisor.
Siskiyou—M. J. ANDERSON, Forest Supervisor, Grants Pass; HUGH M. GUTHRIE, Deputy Forest Supervisor; H. HAEFNER, Forest Assistant.
Siuslaw—A. E. CONNOON, Forest Supervisor, Eugene.
Umatilla—THOS. E. CHIDSEY, Forest Supervisor, Heppner.
Umpqua—S. C. BARTRUM, Forest Supervisor, Roseburg; H. M. HALE, Deputy Forest Supervisor.
Wallowa—HARVEY W. HARRIS, Acting Forest Supervisor, Wallowa.
Wenaha—See Washington.
Whitman—HENRY IRELAND, Forest Supervisor, Sumpter.

WASHINGTON.

Chelan—GEORGE W. MILLIAM, Forest Supervisor, Chelan.
Columbia—H. O. STABLER, Forest Supervisor, Portland, Oreg.; ARTHUR R. WILCOX, Forest Assistant.
Colville—W. W. CRYDER, Forest Supervisor, Republic.
Olympic—FRED HANSON, Forest Supervisor, Hoodspoint.
Rainier—G. F. ALLEN, Forest Supervisor, Orting; F. B. KELLOGG, Forest Assistant.
Snoqualmie—B. P. KIRKLAND, Forest Supervisor, Seattle; E. T. CLARK, Forest Assistant.
Washington—C. H. PARK, Acting Forest Supervisor, Bellingham.
Wenaha—J. M. SCHMITZ, Forest Supervisor, Walla Walla.
Wenatchee—A. H. SYLVESTER, Forest Supervisor, Leavenworth; A. A. PARKER, Deputy Forest Supervisor; FRED W. CLEATOR, Forest Assistant.

SERVICE CHANGES IN FEBRUARY.

APPOINTED.

Forester—
LAW: WM. W. DYAR, Expert.

District 2—
JOHN M. CATES, Law Examiner.

District 5—
PAUL MITCHELL, Law Examiner.

PROMOTED.

Products—
WOOD UTILIZATION: H. E. SURFACE, Laboratory Assistant in Wood Chemistry;
J. L. MERRILL, Laboratory Assistant in Wood Chemistry.

District 4—

ORGANIZATION: ERNEST WINKLER, Forest Ranger to Deputy Forest Supervisor, Manti National Forest; CARL B. ARENTSON, Deputy Forest Ranger to Deputy Forest Supervisor, Payette National Forest; JAMES E. JEWELL, Forest Ranger to Deputy Forest Supervisor, Dixie National Forest.

TRANSFERRED.**District 4—**

ORGANIZATION: N. E. SNELL, Forest Supervisor, Fishlake National Forest to Caribou National Forest; C. I. HUDDLE, Forest Supervisor, Dixie National Forest to Lemhi National Forest.

RESIGNED.**District 4—**

ORGANIZATION: J. T. WEDEMEYER, Forest Supervisor, Caribou National Forest; C. L. SMITH, Forest Supervisor, Lemhi National Forest.

SERVICE NOTES FOR MARCH.

These notes contain instructions and necessary information for Forest officers, and will, therefore, be carefully read and kept on file for reference.

OFFICE OF THE FORESTER.

LAW.

Carbon Copies of Official Correspondence—

It is the uniform custom of the Department of Justice to submit copies of official correspondence in reference to special cases to the several United States attorneys in whose districts the cases arise. Since it is much easier to have an extra carbon made than to make a complete new copy, the Department of Justice has informally requested that a carbon be submitted with the original letter. Hereafter, therefore, letters to the Attorney-General should be transmitted with three carbon copies, instead of two, as formerly.

Proposition of Settlement in Litigated Cases—

In cases which have been referred to the Department of Justice, no settlement should be accepted until the United States attorney has been consulted. When suit has been actually instituted, settlement must be made through the United States attorney upon recommendation of the Forest Service. When criminal action has been instituted, no settlement of any civil damages which the Government may have sustained should be made by Forest officers until after consultation and agreement with the United States attorney.

Fire Trespass: Criminal Prosecution—

S. R. Taylor pleaded guilty in the United States court for the eastern district of Washington to setting a fire within the Colville National Forest. He was fined \$25 and costs (\$154.25) and was committed to the Spokane County jail until final costs were paid.

Grazing Trespass: Permanent Injunction Issued—

In the civil case against J. D. Combs, in the United States district court for Oregon, for grazing cattle upon the Deschutes National Forest without a permit, a decree was entered permanently enjoining him from trespassing, and from pasturing or grazing cattle upon the Forest without a permit, and further adjudging him to pay \$25 damages and costs, amounting to \$80. This judgment he paid in full.

Cases Decided—

On motion of the defendants, Joseph Luxen and James W. Zimmerman, final decrees were issued, on January 26, by the circuit court for Colorado, enjoining the defendants from grazing cattle on the Holy Cross National Forest.

A decree in equity was issued on January 7 by Judge Carland, in the circuit court of South Dakota, western district, in the case of Lewis et al. v. Garlock et al. (the United States intervenor) sustaining the authority of the Secretary of Agriculture to sell timber on an unperfected mining location in the Black Hills National Forest.

Litigated Claims Cases—

When litigated claims cases are referred to the Forester, the District Forester should request the Commissioner of the General Land Office to suspend the case for thirty days, and the Forester should be sent a statement setting forth reasons, if any exist, why the Commissioner should be asked to reverse the decision of the Register and Receiver. The papers in the case should remain in the "OLX" files of the district law officer, since the record in these cases can be obtained from the General Land Office.

Cooperation with State Officials—

The Secretary of Agriculture has approved the following regulation:

"All Forest officers will cooperate with State and Territorial officials, so far as they can without undue interference with their regular Forest work, to enforce local laws for the prevention and extinguishment of forest fires. When authorized to do so by the proper State officers, they will, without additional pay, act as fire wardens with full power to enforce the local laws."

DENDROLOGY.**Changes in Common Names of Trees—**

The following changes have been made in the common names of trees given in the Check List, and hereafter the newly adopted names are requested to be used by members of the Service in designating these species:

Pinus monticola, substitute western white pine for silver pine; *Pinus quadrifolia*, four-leaf pine for Parry piñon; *Pinus monophylla*, single-leaf pine for single-leaf piñon; *Pinus ponderosa*, western yellow pine for bull pine; *Pinus ponderosa scopulorum*, Rocky Mountain yellow pine for rock pine; *Pinus contorta*, lodgepole pine (includes coast form previously called "shore pine"); *Tsuga mertensiana*, mountain hemlock for black hemlock; *Pseudotsuga taxifolia*, Douglas fir for yellow fir, red fir, and Douglas spruce; *Abies grandis*, grand fir for lowland fir; *Thuja plicata*, western red cedar for giant arbor-vitæ; *Chamaecyparis nootkatensis*, yellow cypress for yellow cedar; *Chamaecyparis lawsoniana*, Lawson cypress for Port Orford cedar; *Juniperus virginiana*, red cedar for red juniper; *Juniperus scopulorum*, Rocky Mountain red cedar for Rocky Mountain juniper; *Taxus brevifolia*, western yew for Pacific yew; *Tunion californicum*, California nutmeg for California Torreya; *Neowashingtonia filifera*, Washington palm for fan-leaf palm; *Betula fontinalis*, mountain birch for western birch; *Betula occidentalis* (previously considered the western form of *Betula papyrifera*), western birch; *Alnus tenuijolia*, mountain alder for paper-leaf alder; *Castanopsis chrysophylla*, western chinquapin for goldenleaf chinquapin; *Quercus lobata*, valley oak for California white oak; *Quercus breweri*, Brewer oak for shin oak; *Quercus garryana*, Oregon oak for Pacific post oak; *Quercus douglasii*, blue oak for California rock oak; *Quercus wislizeni*, Wislizenus's oak for highland oak; *Liriodendron tulipifera*, tulip poplar for yellow poplar and tulip tree; *Liquidambar styraciflua*, red gum for sweet gum; *Cercocarpus ledifolius*; curl-leaf mahogany for mountain mahogany; *Cercocarpus parvifolius*, birch-leaf mahogany for valley mahogany; *Prunus subcordata*, Pacific plum for western plum; *Prosopis odorata*, screwpod mesquite for screwbean; *Parkinsonia microphylla*, little-leaf horsebeam for small-leaf horsebeam; *Olneya tesota*, Sonora ironwood for Mexican ironwood; *Rhus integrifolia*, mahogany sumach for western sumach; *Acer macrophyllum*, broadleaf maple for Oregon maple; *Rhamnus purshiana*, cascara for cascara sagrada; *Cornus nuttallii*, western dogwood for Pacific dogwood; *Sambucus glauca*, blue elderberry for pale elder.

OPERATION.**Special-Use Permits for Wagon Roads—**

There is an apparent conflict between Regulations 12 and 15 of The Use Book, Regulation 12 stating that no permit is necessary for the construction of wagon roads by States or counties over National Forest lands, while Regulation 15 implies that a permit is necessary, unless the road was constructed prior to the creation of the Forest. Although prior to July 1, 1908, States and counties were required to obtain permits authorizing them to construct roads and trails through National Forests, it was intended by Regulation 12 that this practice should be discontinued; therefore permits are not now necessary for such purposes. When the new Use Book shall be issued, Regulation 15 will be changed to harmonize with Regulation 12.

Leases to Be Made in Duplicate—

Hereafter leases for office quarters in the field, Form 54, will be executed in duplicate, the original for the Auditor for the State and other Departments and the duplicate for the lessor. As many extra copies can be made as are necessary for administrative purposes.

Additions to National Forests—

On January 28 a proclamation was signed adding 191,442 acres to the Pecos National Forest, making the present area of this Forest 622,322 acres. On February 1 a proclamation was signed adding 76,494 acres to the Prescott National Forest, making the present area of this Forest 1,541,762 acres. On February 10 a proclamation was signed creating the Marquette National Forest, Michigan, with an approximate area of 30,603 acres; also a proclamation creating the Nevada National Forest, with an approximate area of 1,222,312 acres; also a proclamation enlarging the Dixie National Forest by the addition of 11,545 acres, approximately; also a proclamation enlarging the Tonto National Forest by the addition of 42,740 acres, approximately. On February 11 a proclamation was signed creating the Michigan National Forest, with an area of 132,770 acres. On February 13 a proclamation was signed adding 6,575 acres to and eliminating 14,711 acres from the Gila National Forest, making the present area of this Forest 1,782,562 acres; also a proclamation creating the Superior National Forest, with an area of 909,734 acres; also a proclamation enlarging the Klamath National Forest, adding 65,119 acres, making the present area of this Forest 2,094,467 acres. On February 15 a proclamation was signed adding 3,840 acres to the Sioux National Forest, making the present area of this Forest 249,653 acres. On the same date a proclamation was signed adding 26,880 acres to the Black Hills National Forest, making the present area of this Forest 1,190,040 acres. On February 16 a proclamation was signed adding 8,724,000 acres to the Tongass National Forest, making the area of the present Forest 15,480,986 acres. On February 20 a proclamation was signed adding 113,034 acres to the Toiyabe National Forest, making the present area of this Forest 1,678,714 acres.

On March 1, 1909, the following-named National Forests will be added to District 1: By new proclamations, the Superior National Forest, the Marquette National Forest, and the Michigan National Forest; by transfer from District 2, the Minnesota National Forest and the Dakota National Forest.

Phrase Changed in the Manual of Procedure—

On page 82 of the Manual of Procedure, under Periodic Reports to the Forester, "Personnel" (quarterly), the words "month of each" should be inserted between the words "last" and "quarter," making the sentence read as follows: "Personnel (quarterly.)—A tabular statement of the District personnel at the end of the last month of each quarter," etc.

Next Examination for Assistant Forest Ranger—

It is expected that the next examination for the position of Assistant Forest Ranger will not be held until some time during the fall of 1909. This examination will be along the same lines as the last one, and will be conducted at each supervisor's headquarters as formerly.

Dams Must not Obstruct the Movements of Fish—

The Bureau of Fisheries has requested that permits for constructing dams on fish streams within National Forests require the permittees to maintain adequate fishways, so as not to obstruct the movements of fish. The Service will comply with this request and will use the following clause in such permits: "To construct and maintain fishways which will enable fish to pass over the dam at all times."

Reports on Completed Improvement Projects--

Supervisors should submit to the District Forester a detailed report on every permanent improvement project as soon after it has been completed as possible. When a progress report (Form 283) is submitted showing the project 100 per cent completed, and the supervisor is not able to submit at once a detailed report, the approximate date on which the District Forester will receive it should be noted on the Form 283.

Permanent Monuments Should Be Carefully Erected—

In making surveys of proposed administrative sites, or June 11 claims, special attention should be given to the establishment of permanent monuments, since monuments take precedence over all other evidence in relocating lines. Wherever possible, marked stones should be used instead of trees or stakes.

Regarding Changes in District Boundaries—

On and after March 1, 1909, the States of North Dakota, Minnesota, Wisconsin, and Michigan will be included in District 1, under the supervision of the District Forester at Missoula, Mont.

SILVICULTURE.**Annual Silvical Report Due within a Month—**

Attention is called to the fact that the annual silvical report for 1909 is due April 1. The outline, as revised for 1908, has been sent to all Forest assistants and should be used in preparing this report. For Forests on which previous reports have been submitted, the present report should contain any corrections and additions to points already covered and should also take up in detail subjects not treated before. A revised outline will be prepared for the field season of 1909.

Rangers to Provide for Closure of Cases—

In the revised Form 874-14, to be issued, provision will be made for the actual closure of free-use cases by the ranger, instead of a recommendation that the case be closed. Until a supply of the revised form is distributed to all supervisors, instead of recommending the closure of the case the rangers will write across the form "This case is closed," thus making further correspondence unnecessary.

Date Changed for Issue of Schedule—

The Manual of Procedure provides that the minimum stumpage rates shall be revised annually on March 1, while Regulation 22, page 71 of The Use Book, states that supervisors shall issue at the beginning of each fiscal year (July 1) a schedule of minimum rates for the free-use business of his Forest. In order to reduce routine work in the supervisors' offices during the summer field season, it has been decided that this annual schedule of minimum rates for free-use business also be issued on March 1 instead of July 1.

Shipment of Seed and Nursery Stock—

The following data should be sent to the supervisor of the National Forest and to the District Forester concerned whenever a shipment of seed is made: Species; number of pounds; cost per pound ready for shipment; shipping point and designation; place and time of collection; exposure and altitude of place of collection, if available. Sufficient data for identification should be inclosed with each shipment of seed.

The following data should be sent whenever a shipment of nursery stock is made: Species; number of plants; age of stock; kind of stock, whether seedling or transplant; source of stock; source of seed; cost of stock per M ready for shipment; condition of stock when shipped; method of packing; date of shipment; and date when stock should be received by the consignee. Consignees should notify both the District Forester and the consignor immediately upon the receipt of shipment, with a full report on the condition in which the stock is received.

Surplus Seed—

Each District Forester is requested to submit for the April Field Program a report of the quantity of surplus seed on hand available for distribution to other Districts, after planning for the work of the coming season.

Stumpage Prices to be Quoted only when Authorized—

Owing to several misunderstandings between purchasers of timber and the Forest Service as to the conditions of sale in timber sales, every Forest officer should be careful to avoid giving the prospective purchaser the conditions of sale before the matter has been taken up with the supervisor or superior officer and a decision reached. The quoting of a stumpage price to the applicant without being authorized is not only objectionable to the Service but unsatisfactory to the purchaser.

GRAZING.**Designation of Special-Use Grazing Cases—**

The term "residence" should not be applied to buildings where they are used free in connection with grazing permits, since this is generally used with paid permits. Ordinarily the term "cabins" will apply.

Reference to the Numbers of Regulations—

In their correspondence, some of the supervisors refer to Regulations 58 and 63 when Regulation 65 is meant. It is important that all reference to regulations by their numbers should be in accordance with the latest edition of The Use Book.

Notice of Changes in Stock Associations—

Supervisors should inform the District Forester of any change in the personnel of Advisory Boards or new by-laws or amendments which are adopted by stock associations whose advisory board is recognized by the Forest Service. With this end in view, supervisors should request the secretaries of such associations to keep them advised of any such changes.

Designation of Special-Use Permits—

Separate permits must be issued for each specific use of a National Forest, but The Use Book provides that inclosures which contain both pasture and agricultural land may be designated as "pasture" when the amount of agricultural or wild hay lands is less than 40 acres. Failure to comply with this rule has caused much confusion in the offices of the Fiscal Agents, and it is requested that hereafter Forest officers be careful not to use more than one designation for any single case. If the amount of agricultural or wild hay land within a pasture is less than 40 acres, it may be designated as a "pasture," but if the amount exceeds 40 acres it should then be designated as "agricultural" or "hay sale," as the case may be. However, in all cases where the area of agricultural land exceeds the area of pasture land the use should be designated as "agricultural." A double designation, such as "Pasture and Agricultural," should not be used in any case. All such permits will be returned for correction.

Cooperation with B. A. I. Inspectors—

It is desired that all Forest officers cooperate to the fullest possible extent with inspectors of the Bureau of Animal Industry in the enforcement of quarantine regulations. When it is known that inspection certificates will be required before stock is allowed to enter a National Forest, the supervisor should furnish the Chief Inspector of the Bureau of Animal Industry with a list of the permittees and the dates upon which the stock will be allowed to enter the Forest. No modifications of the quarantine regulations will be allowed except with the consent of the B. A. I. inspectors. These instructions also apply to cooperation with State inspectors in the enforcement of State quarantine regulations.

Monthly Grazing Reports by Forest Rangers—

Beginning with the month of April, 1909, all Forest rangers and guards within whose districts grazing is allowed will be required to make monthly reports on the condition of both the stock and the range under their charge. A regular outline has been prepared for guidance in making these reports, and copies will be furnished all Forest officers not later than April 1, 1909.

Disposal of Duplicate Notification of Receipt for Grazing Payments—

The item published on page 179 of the February Field Program has left many of the supervisors in doubt regarding the proper disposal of duplicates of the notification of receipt for grazing payments. As all grazing permit cases are handled by the supervisor the procedure differs from that for timber sales. Therefore in all grazing cases, after having made the proper entry on his records, the supervisor will send the original notification of receipt to the permittee and file the duplicate in his office with the other papers in the case.

Private Lands of Unknown Ownership—

In cases where the ownership of private land within a National Forest is unknown, or when the owner of private land does not object to its use without compensation or lease, permits for the adjoining range may be issued under the provisions of Regulation 54, requiring the grazing fees to be paid only on that portion of the stock which will be grazed upon the lands belonging to or under control of the United States, with the distinct understanding that the portion of the stock which is being grazed upon the private land in question must be removed immediately upon request of the owner of the land.

In the issuance of permits under these circumstances the grazing capacity of private lands need not be estimated unless the supervisor deems it advisable, but payment of grazing fees may be required upon a number of stock which would be proportionate with the area of the land belonging to or under control of the United States.

The Forest Service has no right to issue permits or collect grazing fees for the use of the State or private land except under the provisions of a cooperative agreement, or when it has been leased to the United States, or when the owners or lessees have waived the right to its exclusive use in exchange for a grazing permit. For this reason all estimates of the grazing capacity of the National Forests should be based only upon the lands owned by or under control of the United States.

PRODUCTS.**Keeping and filing Records of Addresses—**

It is extremely important that a record be kept of all addresses by members of the Forest Service from Washington and the Districts, and that this record be filed with the Office of Publication on the form provided for that purpose (129). Many talks have been made of which there is no record. This causes trouble and much extra work in making the annual summary of Service activities.

SERVICE ORDER.

SERVICE ORDER 26.

Dating of Papers.

FEBRUARY 15, 1909.

As an additional safeguard against failure to date maps, statements, or memoranda prepared in the Forest Service, file clerks must see to it that no paper not dated is filed. Every member of the Service should understand clearly that to send out or to file any paper not dated will count against promotion.

GIFFORD PINCHOT, *Forester.*

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Issued April 1, 1909.

United States Department of Agriculture, FOREST SERVICE.

GIFFORD PINCHOT, Forester.

FIELD PROGRAM FOR APRIL, 1909.

This program of field work and assignments in the Forest Service is issued on the first day of each month, and is for the exclusive use of members of the Service and cooperating bureaus. The names of members whose assignments are not yet fixed and reference to projects for which plans have not been matured are necessarily omitted. All orders and other instructions printed in the Field Program will apply to all Districts.

It is requested that the members of the Forest Service cooperate in making this program complete and accurate.

Unless the address of a member is given in this program or is definitely known, he should be addressed in care of the Forest Service, Washington, D. C.

OFFICE OF THE FORESTER.

GIFFORD PINCHOT, Forester.

OVERTON W. PRICE, Associate Forester.

HARRY L. HILL, Secretary to the Forester.

P. P. WELLS, Law Officer.

A. C. SHAW, Principal Examiner.

HERBERT A. SMITH, Editor.

GEORGE B. SUDWORTH, Dendrologist.

R. S. KELLOGG, Assistant Forester, engaged upon Forest statistics.

EUGENE S. BRUCE, Expert Lumberman.

D. D. BRONSON,
R. E. BENEDICT, } General Inspectors.

E. M. GRIFFITH, Special Inspector, for Indian Reservations in Wisconsin, Madison, Wis.

OPERATION.

JAMES B. ADAMS, Assistant Forester, in Charge.
CHAS. S. CHAPMAN, Assistant Forester.
H. B. CRAMER, Fiscal Agent.
GEORGE G. ANDERSON, Assistant in Office Methods.

OCCUPANCY.

M. J. McVEAN, Chief.

ACCOUNTS.

W. R. FUCHS, District Fiscal Agent.

GEOGRAPHY.

F. G. PLUMMER, Chief.

Atlas , G. B. BRUCE, Acting.	Drafting , C. A. KOLB.
Alienation , J. B. SATTERLEE.	Photography , A. G. VARELA.

MAINTENANCE.

GEORGE A. BENTLEY, Acting Chief.

SILVICULTURE.

WILLIAM T. COX, Assistant Forester, in Charge.
E. E. CARTER, Assistant Forester.

FEDERAL COOPERATION.

A. B. PATTERSON, Chief.
H. IRION, Assistant.

PROJECTS.

Arizona—

Supervision of cutting, San Carlos Indian Reservation—**J. J. WOOLSEY**, San Carlos.

Minnesota—

Inspection of logging on Red Lake Indian Reservation—**W. R. MCKINNON**, Red Lake.

Oregon—

Supervision of cutting on Klamath Indian Reservation—**J. W. KELSOE**, Klamath Agency.

Wisconsin—

Lumbering operations on the Menominee Indian Reservation—**E. A. BRANIFF**, Neopit.

Inspection of logging on the Bad River Indian Reservation—**T. F. YOUNG**, **MARK BURNS**, **W. H. FARR**, and **W. C. MCRAE**, Ashland.

STATE AND PRIVATE COOPERATION.

J. G. PETERS, Chief.

PROJECTS.

Alabama—

Preparation of a working plan for the Tennessee Coal, Iron and Railroad Company—**W. B. PIPER**, **J. ST. J. BENEDICT**, **E. D. CLARK**, **G. T. BACKUS**, **W. H. VON BAYER**, Birmingham.

Preparation of report on preliminary examination of forest conditions, in cooperation with the State Commission of Forestry—**J. H. FOSTER**, Washington, D. C.

Eastern States—

General inspection of experiments in nursery and planting work, in cooperation with different States—E. O. SIECKE, Washington, D. C.

Seed testing and seed storage—N. H. GRUBB, Washington, D. C.

Timberland examinations, in cooperation with private owners—R. C. HALL, W. B. WILLEY, Washington, D. C.

Florida—

Preparation of report on preliminary examination of forest conditions, in cooperation with the State—N. C. BROWN, Washington, D. C.

Illinois—

Preparation of report on preliminary examination of forest conditions, in cooperation with the State Laboratory of Natural History—W. BRADFIELD, Washington, D. C.

Montana—

Preparation of report on forest lands, in cooperation with the Northern Pacific Railway Company—L. S. MURPHY, Washington, D. C.

SILVICS.

RAPHAEL ZON, Chief.

PROJECTS.**Southern States—**

Study of bald cypress—F. T. MCLEAN, Washington, D. C.

Western States—

Location of insect-infested timber in the National Forests, with recommendations as to insect control—W. D. EDMONSTON, Colorado Springs, Colo.

Library, Miss H. E. STOCKBRIDGE.

Compilation, E. H. FROTHINGHAM.

GRAZING.

A. F. POTTER, Assistant Forester (in the Field).

L. F. KNEIPP, Assistant Forester (in the Field).

WILL C. BARNES, Acting Assistant Forester, in Charge.

PROJECTS.

Cooperative studies; private and State lands—W. C. CLOS, Washington, D. C.

Forage investigations; compilation of data—F. V. COVILLE, Botanist, Bureau of Plant Industry, in charge, Washington, D. C.; JAMES T. JARDINE, Deputy Forest Supervisor, Wallowa, Oreg., and ARTHUR T. SAMPSON, Plant Ecologist, Hot Springs, Cal.

Identification of grasses and plants—Dr. EDWARD L. GREENE, Consulting Expert, Washington, D. C.

Poisonous-plant investigations—Prof. C. D. MARSH, Expert, Bureau of Plant Industry, in charge, Washington, D. C.; IVAR TIDESTROM, Scientific Assistant, Washington, D. C.

Extermination of prairie dogs—H. L. BENHAM, Grazing Assistant, Denver, Colo.

PRODUCTS.

WM. L. HALL, Assistant Forester, in Charge.

McGARVEY CLINE, Assistant Forester.

WOOD UTILIZATION.

H. S. BETTS, Acting Chief.

PROJECTS.**Turpentining Studies—**

Statistics on production—J. O. LA FONTSEE, Washington, D. C.

Computing, E. A. ZIEGLER.

PROJECTS.

Compilation of forest tables—E. A. ZIEGLER, Washington, D. C.
Computing—Silvical data; timber tests; timber sales.

Wood Chemistry, H. S. BRISTOL.**PROJECTS.**

Study of methods of wood distillation and for the standardization and grading of turpentines—L. F. HAWLEY, Washington, D. C.; assistant, F. E. LICHTENTHAELER, 88 Broad street, Boston, Mass.

Experiments with various woods and waste materials for paper pulp—E. SUTERMEISTER; assistant, J. L. MERRILL, both at Washington, D. C.

Study of wood preservatives and of chemical problems in wood utilization—E. BATEMAN; assistant, C. F. SPEH, both at Washington, D. C.

Compilation of data on materials used in paper making—H. E. SURFACE, Washington, D. C.

Wood Uses, ROLF THELEN, Acting.**PROJECTS.****Connecticut—**

Study of the effect of drying on strength of timber and the absorption of water at various temperatures, in cooperation with Yale University—H. D. TIEMANN, Yale Station, New Haven; assistants, H. E. MCKENZIE and CORNELIUS BARRY.

Microscopic study of the mechanical failure of wood—W. D. BRUSH, New Haven.

Indiana—

Tests of structural timbers and several hickories, in cooperation with Purdue University, the Illinois Central Railway Company, and the National Hickory Association—W. K. HATT, Purdue University, La Fayette; assistants, J. A. NEWLIN, J. O. BIXBY, WILLIAM D. DUDDING, T. LYONS, and H. WEYLS.

General Studies—

Collection of statistics of forest products, in cooperation with the Bureau of the Census—GEORGE K. SMITH, Lumbermen's Building, St. Louis, Mo.

Study of wood-using industries and markets for forest products—H. S. SACKETT, Washington, D. C.; FRANKLIN H. SMITH, 776 Federal Building, Chicago, Ill.

WOOD PRESERVATION.**W. F. SHERFESEE, Chief.****PROJECTS.**

Preparation of an exhibit for the Alaska-Yukon-Pacific Exposition—E. W. PETERS, Washington, D. C. (until April 14).

Compilation of data on wood preservation—M. C. JENSEN, Washington, D. C.

Cooperation, JOHN M. NELSON, Jr.**Alabama—**

Construction and experimental operation of a wood-preserving plant, in cooperation with the Tennessee Coal, Iron and Railroad Company—EDWARD H. FORD, Birmingham.

Indiana—

Experimental operation of a treating plant, in cooperation with the Indianapolis, Columbus and Southern Traction Company—C. P. WINSLOW, Columbus.

Louisiana—

Experiments in treating the products of southern lumber mills, in cooperation with the Great Southern Lumber Company—CHARLES T. BARNUM, Bogalusa.

Mississippi—

Construction and experimental operation of a wood-preserving plant, in cooperation with the Gulf Arm and Creosoting Company—E. W. PETERS, Hattiesburg. (after April 15).

New Jersey—

Construction and experimental operation of a wood-preserving plant, in cooperation with the War Department, Picatinny Arsenal—F. M. BOND, Dover.

Research, HOWARD F. WEISS.

PROJECTS.

General plans for laboratory tests—H. F. WEISS, Washington, D. C.

Designs and specifications for machinery in experimental laboratory—FRANCIS M. BOND, Washington, D. C.

PUBLICATION.

FINDLEY BURNS, Chief.

Review, BRISTOW ADAMS.

Education, DON CARLOS ELLIS, Acting.

Distribution, WILLIS G. BROWN.

PUBLICATIONS IN MARCH.

Circular 38.—Instructions to Engineers of Timber Tests.

DISTRICTS.

DISTRICT 1.

Montana, northeastern Washington, northern Idaho, northern Wyoming, northwestern South Dakota, northern Minnesota, and southwestern North Dakota.

Office, Hammond Block, Missoula, Mont.

W. B. GREELEY, District Forester.

F. A. SILCOX, Assistant District Forester.

W. M. AIKEN, District Law Officer.

OPERATION.

R. H. RUTLEDGE, Chief.

R. Y. STUART, Assistant Chief.

Organization, Chief and Assistant Chief of Operation.

Engineering, J. P. MARTIN.

Occupancy, E. B. QUIGGLE, Acting.

Accounts, H. I. LOVING, District Fiscal Agent.

Maintenance, R. L. CAMPBELL.

SILVICULTURE.

A. W. COOPER, Chief.

D. T. MASON, Assistant Chief.

Timber Sales, Chief and Assistant Chief of Silviculture.

Planting, E. C. CLIFFORD.

Silvics, E. I. TERRY.

GRAZING.

C. H. ADAMS, Chief.

W. S. PERRINE, Assistant Chief.

PRODUCTS.

P. R. HICKS, Chief.

F. I. ROCKWELL, Assistant Chief.

PROJECT.

Montana—

Study of wood-using industries and markets for forest products—**F. I. ROCKWELL**, Missoula, Mont.

NATIONAL FORESTS.

IDAHO.

Beaverhead—See Montana.**Clearwater**—F. A. FENN, Forest Supervisor, Kooskia.**Coeur d'Alene**—W. G. WEIGLE, Forest Supervisor, Wallace; RUTLEDGE PARKER, Forest Assistant.**Kaniksu**—See Washington.**Nezperce**—GEO. V. RING, Forest Supervisor, Grangeville.**Pend Oreille**—J. E. BARTON, Forest Supervisor, Sandpoint.

MICHIGAN.

Marquette}—Not under administration.
Michigan }

MINNESOTA.

Minnesota—G. E. MARSHALL, Forest Supervisor, Cass Lake.**Superior**—Not under administration.

MONTANA.

Absaroka—V. GIFFORD LANTRY, Forest Supervisor, Livingston; HARRY S. KAUFMAN, Deputy Forest Supervisor.**Beartooth**—E. C. RUSSELL, Forest Supervisor, Red Lodge.**Beaverhead**—C. K. WYMAN, Forest Supervisor, Dillon; R. J. MOORE, Deputy Forest Supervisor.**Bitterroot**—W. W. WHITE, Forest Supervisor, Missoula.**Blackfeet**—F. N. HAINES, Forest Supervisor, Kalispell; R. P. McLAUGHLIN, Deputy Forest Supervisor; C. N. WHITNEY, Forest Assistant.**Cabinet**—RALPH H. BUSHNELL, Acting Forest Supervisor, Thompson Falls.**Custer**—GLEN A. SMITH, Acting Forest Supervisor, Ashland.**Deerlodge**—C. C. HALL, Forest Supervisor, Anaconda; F. S. PATTON, Forest Assistant.**Flathead**—PAGE S. BUNKER, Forest Supervisor, Kalispell.**Gallatin**—D. T. CONKLING, Forest Supervisor, Bozeman; A. A. SAUNDERS, Forest Assistant.**Helena**—DWIGHT BUSHNELL, Forest Supervisor, Helena.**Jefferson**—J. B. SEELY, Forest Supervisor, Great Falls.**Kootenai**—W. A. RAYMOND, Acting Forest Supervisor, Libby.**Lewis and Clark**—W. H. DAUGS, Forest Supervisor, Chouteau.**Lolo**—ELERS KOCH, Forest Supervisor, Missoula; M. N. STICKNEY, Forest Assistant.**Madison**—CLIFTON W. HUDSON, Acting Forest Supervisor, Sheridan.**Missoula**—D. G. KINNEY, Forest Supervisor, Missoula.**Sioux**—See South Dakota.

NORTH DAKOTA.

Dakota—C. A. BALLINGER, Forest Supervisor, Camp Crook, S. Dak.

SOUTH DAKOTA.

Sioux—C. A. BALLINGER, Forest Supervisor, Camp Crook.

WASHINGTON.

Kaniksu—W. N. MILLAR, Acting Forest Supervisor, Newport.

WYOMING.

Bighorn—W. E. JACKSON, Forest Supervisor, Big Horn; HERBERT GRAFF, Deputy Forest Supervisor; WM. C. LATANE, Forest Assistant.**Shoshone**—H. W. THURSTON, Forest Supervisor, Cody.

DISTRICT 2.

Colorado, southern Wyoming, South Dakota, Nebraska, and western Kansas.
Office, Majestic Building, Denver, Colo.

SMITH RILEY, District Forester.
P. G. REDINGTON, Assistant District Forester.

J. M. CATES, District Law Officer.

OPERATION.

FRED W. MORRELL, Chief.
C. J. STAHL, Assistant Chief.

Organization, Chief and Assistant Chief of Operation.
Engineering, R. E. MESNARD.
Occupancy, FRED LEES.
Accounts, E. A. MELZAR, District Fiscal Agent.
Maintenance, J. W. DILLY.

SILVICULTURE.

A. K. CHITTENDEN, Chief.
S. L. MOORE, Assistant Chief.

Timber Sales, R. W. ALLEN, Acting.

PROJECTS.

Colorado—

Examination of timber sales on the Pike National Forest—J. W. BENTLEY, Jr., Denver.

South Dakota—

Supervision of logging and fire protection, Pine Ridge Indian Reservation—LOUIS KNOWLES, Deadwood.

Supervision of logging, Rosebud Indian Reservation—ROBERT EMERY, Rosebud.

Wyoming—

Examination of applications under the timber and stone act, in cooperation with the General Land Office—G. P. GREGG, Sundance.

Planting, L. C. MILLER.
Silvics, C. G. BATES.

GRAZING.

J. W. NELSON; Chief.
E. N. KAVANAGH, Assistant Chief.

PRODUCTS.

C. L. HILL, Chief.
H. B. HOLROYD, Assistant Chief.

PROJECTS.

Colorado—

Preservative treatment of railway cross-ties, in cooperation with the Colorado Midland Railway Company—D. L. CARMODY, Denver, Colo.

Preservative treatment of telephone poles, in cooperation with the Central Colorado Power Company—D. L. CARMODY, Denver, Colo.

Tests on bristle-cone pine cross-ties, in cooperation with the University of Colorado and the Clyde Timber Company—A. L. HEIM, Boulder, Colo.

Tests on Western yellow pine and Colorado Douglas fir cross-ties, in cooperation with the University of Colorado and the Colorado and Northwestern Railway Company—A. L. HEIM, Boulder, Colo.

Tests on trestle timbers, in cooperation with the University of Colorado and the Denver City Tramway Company—A. L. HEIM, Boulder, Colo.

South Dakota—

Supervision of operation of treating plant, in cooperation with the Homestake Mining Company—HARRY MILLS MASON, Jr., Lead City, S. Dak.

General Studies—

Wood-using industries and markets for forest products—H. B. HOLROYD, Denver, Colo.

NATIONAL FORESTS.

COLORADO.

Arapaho—C. G. POOLE, Acting Forest Supervisor, Sulphur Springs (WU-A).

Battlement—DAVID ANDERSON, Forest Supervisor, Collbran (WU-WF, G); JOHN W. LOWELL, Jr., Deputy Forest Supervisor.

Cochetopa—EUGENE WILLIAMS, Forest Supervisor, Saguache (WU-G).

Gunnison—WM. R. KREUTZER, Forest Supervisor, Gunnison (WU-WF, G); E. C. BERKY, Deputy Forest Supervisor.

Hayden—See Wyoming.

Holy Cross—HARRY H. FRENCH, Forest Supervisor, Glenwood Springs (WU-WF, G); JOHN McLAREN, Deputy Forest Supervisor; JAY HIGGINS, Forest Assistant.

La Salle—See Utah.

Las Animas—C. A. WHITNEY, Acting Forest Supervisor, La Veta (WU-G).

Leadville—A. L. STROUP, Forest Supervisor, Leadville (WU, P-WF, G); J. F. BRUINS, Deputy Forest Supervisor; J. E. MARTIN, Forest Assistant.

Medicine Bow—H. N. WHEELER, Forest Supervisor, Fort Collins (WU-WF); C M. GRANGER, Deputy Forest Supervisor.

Montezuma—RESS PHILLIPS, Forest Supervisor, Mancos (WU-G).

Pike—C. W. FITZGERALD, Forest Supervisor, Denver (WU, P-Ad, G, P, US, WF); W. J. MORRILL, Deputy Forest Supervisor; Pikes Peak Planting Station—W. SCHRADER, Forest Planting Assistant, Monument.

Rio Grande—F. C. SPENCER, Forest Supervisor, Monte Vista (WU-G); P. T. COOLIDGE, Forest Assistant.

Routt—J. H. RATLIFF, Acting Forest Supervisor, Steamboat Springs (WU-Ad).

San Isabel—J. N. LANGWORTHY, Acting Forest Supervisor, Westcliffe (WU-G).

San Juan—ERNEST W. SHAW, Forest Supervisor, Durango (WU-G); A. L. SWEITZER, Deputy Forest Supervisor; PETER KEPLINGER, Forest Assistant.

Uncompahgre—HENRY L. SPENCER, Acting Forest Supervisor, Delta (WU-G); J. H. RAMSKILL, Forest Assistant.

White River—JAMES A. BLAIR, Forest Supervisor, Meeker (WU-WF, G).

KANSAS.

Kansas—B. R. H. D'ALLEMAND, Acting Forest Supervisor, Garden City (WU, P-WF); Garden City Planting Station—C. R. TAYLOR, Forest Planting Assistant.

NEBRASKA.

Nebraska—W. H. MAST, Forest Supervisor, Halsey (WU-Ad); H. R. SHOCKLEY, Deputy Forest Supervisor; Halsey Planting Station—L. BESLEY and C. R. BECHTLE, Forest Planting Assistants.

SOUTH DAKOTA.

Black Hills—PAUL D. KELLETER, Acting Forest Supervisor, Deadwood (WU-Ad, Am); JOHN MURDOCH, Jr., and ROBERT E. CLARK, Forest Assistants.

WYOMING.

Cheyenne—P. S. LOVEJOY, Acting Forest Supervisor, Saratoga (WU, P-P); R. A. STRETCH and ARTHUR M. COOK, Forest Assistants.

Hayden—JAMES BLACKHALL, Acting Forest Supervisor, Encampment (WU, P-P).

Sundance—G. C. SMITH, Acting Forest Supervisor, Sundance (WU-Ad, Am).

DISTRICT 3.

Arizona, Arkansas, Florida, New Mexico, and Oklahoma.

Office, Strickler-Luna Building, Albuquerque, N. Mex.

A. C. RINGLAND, District Forester.

E. H. CLAPP, Assistant District Forester.

H. B. JAMISON, District Law Officer.

OPERATION.

A. O. WAHA, Chief.

R. G. WILLSON, Assistant Chief.

Organization, Chief and Assistant Chief of Operation.

Engineering, E. H. JONES.

Occupancy, B. FRANKLIN.

Accounts, J. J. DUFFY, District Fiscal Agent.

Maintenance, W. B. BUNTON.

SILVICULTURE.

T. S. WOOLSEY, Jr., Chief.

A. B. RECKNAGEL, Assistant Chief.

Timber Sales, J. F. ELDREDGE, Acting.

Planting, A. S. PECK.

R. L. ROGERS, Assistant.

Silvics, W. R. MATTOON.

G. A. PEARSON, Assistant, Coconino Forest Experiment Station,
Flagstaff, Ariz.

GRAZING.

J. K. CAMPBELL, Chief.

JOHN KERR, Assistant Chief.

PRODUCTS.

O. T. SWAN, Chief.

PROJECTS.

Preparation of report on the seasoning and the preservative treatment of cedar poles—**O. T. SWAN**, Albuquerque, N. Mex.

Statistical study of lumber consumption in District 3—**O. T. SWAN**, Albuquerque, N. Mex.

NATIONAL FORESTS.**ARIZONA.**

Apache—**JOHN D. GUTHRIE**, Acting Forest Supervisor, Springerville (WU, P-WF);
W. H. KOBBE, Forest Assistant.

Chiricahua—**A. H. ZACHAU**, Acting Forest Supervisor, Douglas (WU, P-WF);
H. D. BURRALL, Forest Assistant.

Coconino—**WILLARD M. DRAKE**, Acting Forest Supervisor, Flagstaff (WU, P-WF).

Coronado—**ROBERT J. SELKIRK**, Forest Supervisor, Benson (WU, P-WF).

Crook—**T. T. SWIFT**, Forest Supervisor, Safford (WU-WF).

Garces—**W. H. B. KENT**, Forest Supervisor, Nogales (WU-WF).

Prescott—**C. H. HINDERER**, Forest Supervisor, Prescott (WU-WF).

Sitgreaves—**ALEX. J. MACKAY**, Forest Supervisor, Snowflake (WU, P-WF).

Tonto—**J. W. FARMER**, Acting Forest Supervisor, Roosevelt (WU-WF).

ARKANSAS.

Arkansas—S. J. RECORD, Forest Supervisor, Mena (WU-WF); FRANCIS KIEFER, Forest Assistant.
Ozark—_____, _____, Harrison (WU-WF); W. F. HILL, Acting Forest Supervisor.

FLORIDA.

Choctawhatchee }
Ocala }—Not under administration.

NEW MEXICO.

Alamo—ARTHUR M. NEAL, Forest Supervisor, Alamogordo (WU, P-WF); L. L. JANES, Forest Assistant.
Carson—Ross McMILLAN, Forest Supervisor, Santa Fe (WU, P-WF); THOS. R. STEWART, Deputy Forest Supervisor; HARRY J. POOLER, Forest Agent.
Chiricahua—See Arizona.
Datil—W. H. GODDARD, Forest Supervisor, Magdalena (WU, P-WF); R. F. BALTHIS, Deputy Forest Supervisor.
Gila—DOUGLAS RODMAN, Acting Forest Supervisor, Silver City (WU-WF); FRANK E. ANDREWS, Deputy Forest Supervisor; Fort Bayard Planting Station—H. C. TURNER and A. HEDRICKS, Forest Planting Assistants.
Jemez—Ross McMILLAN, Forest Supervisor, Santa Fe (WU, P-WF); THOS. R. STEWART, Deputy Forest Supervisor; HARRY J. POOLER, Forest Agent.
Lincoln—J. A. SCOTT, Acting Forest Supervisor, Capitan (WU, P-WF).
Magdalena—W. H. GODDARD, Forest Supervisor, Magdalena (WU, P-WF); R. F. BALTHIS, Deputy Forest Supervisor.
Manzano—J. F. MULLEN, Acting Forest Supervisor, Albuquerque (WU, P-WF).
Pecos—Ross McMILLAN, Forest Supervisor, Santa Fe (WU, P-WF); THOS. R. STEWART, Deputy Forest Supervisor; Las Gallinas Planting Station—W. D. HAYES, Forest Assistant; HARRY J. POOLER, Forest Agent.

OKLAHOMA.

Wichita—FRANK RUSH, Acting Forest Supervisor, Cache (WU-WF).

DISTRICT 4.

Utah, southern Idaho, western Wyoming, eastern Nevada, and northwestern Arizona.

Office, First National Bank Building, Ogden, Utah.

CLYDE LEAVITT, District Forester.
FRANKLIN W. REED, Assistant District Forester.

W. C. HENDERSON, District Law Officer.

OPERATION.

R. P. IMES, Chief.
E. H. CLARKE, Assistant Chief.

Organization, Chief and Assistant Chief of Operation.
Engineering, A. T. MITCHELSON.
Occupancy, TIMOTHY C. HOYT.
Accounts, Q. R. CRAFT, District Fiscal Agent.
Maintenance, R. E. CONNER.

SILVICULTURE.

L. L. WHITE, Chief.
O. M. BUTLER, Assistant Chief.

Timber Sales, Chief and Assistant Chief of Silviculture.
Planting, J. M. FETHEROLF.
Silvics, E. R. HODSON.

GRAZING.

HOMER E. FENN, Chief.
A. C. McCAIN, Assistant Chief.

PRODUCTS.

A. L. BROWER, Chief:

PROJECT.

Study of wood-using industries and market for forest products—**A. L. BROWER**, Ogden, Utah.

SUPPLY DEPOT.

A. M. SMITH, Property Clerk.

PROPERTY AUDIT.

J. G. FALCK, Property Auditor.

NATIONAL FORESTS.**ARIZONA.**

Dixie—See Utah.

Kaibab—JOHN H. CLARK, Forest Supervisor, Kanab, Utah (WU-WF); DANIEL K. JUDD, Deputy Forest Supervisor.

IDAHO.

Boise—E. GRANDJEAN, Forest Supervisor, Boise (WU-P); WALTER A. HOPSON, Forest Assistant.

Cache—See Utah.

Caribou—N. E. SNELL, Forest Supervisor, Idaho Falls (WU-P).

Challis—DAVID LAING, Forest Supervisor, Challis (WU-P).

Idaho—HENRY A. BERGH, Forest Supervisor, Meadows (WU-P).

Lemhi—C. I. HUDDLE, Forest Supervisor, Mackay (WU-P).

Minidoka—WM. MCCOY, Forest Supervisor, Oakley (WU-P).

Payette—GUY B. MAINS, Forest Supervisor, Emmett (WU-P); CARL B. ARENTSON, Deputy Forest Supervisor.

Pocatello—CLINTON G. SMITH, Forest Supervisor, Pocatello (WU-P); Pocatello Planting Station—P. T. WRENSTED, Forest Ranger.

Salmon—GEORGE G. BENTZ, Forest Supervisor, Salmon City (WU-P); JAS. M. RYAN, Deputy Forest Supervisor.

Sawtooth—C. N. WOODS, Forest Supervisor, Hailey (WU-P); H. G. MCPHETERS, Deputy Forest Supervisor.

Targhee—DAVID BARNETT, Forest Supervisor, St. Anthony (WU-P); FOSTER STEELE, Deputy Forest Supervisor.

Weiser—J. B. LAFFERTY, Forest Supervisor, Weiser (WU-P); W. M. CAMPBELL, Deputy Forest Supervisor.

NEVADA.

Humboldt—C. SYDNEY TREMEWAN, Forest Supervisor, Elko (WU-WF).

Moapa—HARRY E. MATHEWS, Acting Forest Supervisor, Las Vegas (WU-WF).

Nevada—R. F. MATHIAS, Acting Forest Supervisor, Ely (WU-WF).

Toiyabe—M. S. BENEDICT, Acting Forest Supervisor, Austin (WU, P-WF).

UTAH.

Ashley—W. M. ANDERSON, Forest Supervisor, Vernal (WU-WF).

Cache—W. W. CLARK, Forest Supervisor, Logan (WU-P); J. F. SQUIRES, Deputy Forest Supervisor; J. E. ROTHERY, Forest Assistant.

Dixie—JAMES E. JEWELL, Acting Forest Supervisor, St. George (WU-WF).

Fillmore—W.M. HURST, Forest Supervisor, Beaver (WU-WF).
Fishlake—OLUF G. NIELSON, Acting Forest Supervisor, Salina (WU-WF).
La Salle—JOHN RIIS, Acting Forest Supervisor, Moab (WU-WF).
Manti—A. W. JENSEN, Forest Supervisor, Ephraim (WU-WF); ERNEST WINKLER, Deputy Forest Supervisor.
Minidoka—See Idaho.
Nebo—DAN S. PACK, Forest Supervisor, Payson (WU-WF).
Pocatello—See Idaho.
Powell—GEO. H. BARNEY, Forest Supervisor, Escalante (WU-WF).
Sevier—O. C. SNOW, Forest Supervisor, Panguitch (WU-WF); FRANK W. SEAMAN, Deputy Forest Supervisor.
Uinta—W. I. PACK, Forest Supervisor, Provo (WU-WF).
Wasatch—R. V. R. REYNOLDS, Acting Forest Supervisor, Salt Lake City (WU, P-WF, P); C. F. COOLEY, Deputy Forest Supervisor; Wasatch Planting Station—N. J. FETHEROLF, Forest Planting Assistant.

WYOMING.

Ashley—See Utah.
Bonneville—FOSTER STEELE, Acting Forest Supervisor, Pinedale (WU-P); H. EARLE FRENCH, Forest Assistant.
Caribou—See Idaho.
Targhee—See Idaho.
Teton—R. E. MILLER, Forest Supervisor, Jackson (WU-P).
Wyoming—JOHN RAPHAEL, Forest Supervisor, Afton (WU-P).

DISTRICT 5.

California and southwestern Nevada.

Office, First National Bank Building, San Francisco, Cal.

F. E. OLMSTED, District Forester,
COERT DUBOIS, Assistant District Forester.

E. A. LANE, District Law Officer.

OPERATION.

R. L. FROMME, Chief.
ROY HEADLEY, Assistant Chief.

Organization, Chief and Assistant Chief of Operation.
Engineering, F. C. WALES.
Occupancy, R. F. HAMMATT.
Accounts, J. S. SWAN, District Fiscal Agent.
Maintenance, A. L. DAHL.

SILVICULTURE.

G. M. HOMANS, Chief.
T. D. WOODBURY, Assistant Chief.

Timber Sales, Chief and Assistant Chief of Silviculture.
Planting, G. W. PEAVY.

PROJECTS.

Supervision of an improvement cutting on the San Miguel Eucalyptus, Monterey Pine, and Cypress plantation, in the city of San Francisco, in cooperation with the estate of Adolph Sutro—SWIFT BERRY.

Examination and preparation of a plan of management for a 13,000-acre redwood tract in Marin County, Cal., in cooperation with Mrs. E. S. Howard—SWIFT BERRY.

Silvics, T. R. COOPER.

GRAZING.

JOHN H. HATTON, Chief.
M. B. ELLIOTT, Assistant Chief.

PRODUCTS.

C. S. SMITH, Acting Chief.

PROJECTS.

Tests of the strength of eucalyptus, redwood, and tanbark oak, in cooperation with the University of California, the Northwestern Redwood Company, and the California Redwood Association—**G. R. GESSERT**, Berkeley.

Study of wood-using industries and markets for forest products—**J. V. WULFF**, San Francisco.

Operation of an experimental wood-preserving plant, in cooperation with the Southern Pacific Company—**C. S. SMITH**, San Francisco.

Experiments to determine the best methods for seasoning eucalyptus poles, in cooperation with the estate of Adolph Sutro and the Pacific Land Investment Company—**J. V. WULFF**, San Francisco.

NATIONAL FORESTS.

CALIFORNIA.

Angeles—R. H. CHARLTON, Forest Supervisor, Los Angeles (WU, P-WF); ERNEST B. LONG, Deputy Forest Supervisor; Lytle Creek Planting Station—SEROPE Y. PARNAY and F. L. RICKY, Forest Planting Assistants, San Bernardino.

California—ERNEST BRITTEN, Forest Supervisor, Willows (P-WF); N. B. DREW, Deputy Supervisor.

Cleveland—H. A. E. MARSHALL, Forest Supervisor, San Diego (WU, P-WF); PERCY L. DAY, Deputy Forest Supervisor.

Inyo—A. H. HOGUE, Forest Supervisor, Bishop (WU-WF); RAYMOND TYLER, Deputy Forest Supervisor.

Klamath—FRANK W. HARLEY, Acting Forest Supervisor, Yreka (P-WF); R. G. POND, Forest Assistant.

Lassen—L. A. H. KLING, Forest Supervisor, Red Bluff (P-WF); J. C. LA PLANT, Deputy Forest Supervisor.

Modoc—C. E. RACHFORD, Forest Supervisor, Alturas (P-WF).

Mono—See Nevada.

Monterey—N. O. TORSTENSEN, Forest Supervisor, Salinas (WU-WF).

Plumas—L. A. BARRETT, Forest Supervisor, Quincy (WU-WF); W. G. DURBIN, Deputy Forest Supervisor; J. R. HALL, Forest Assistant.

San Luis—E. S. MAINWARING, Forest Supervisor, San Luis Obispo (WU-WF).

Santa Barbara—WILLIS M. SLOSSON, Forest Supervisor, Santa Barbara (P-WF); H. G. MERRILL, Deputy Forest Supervisor.

Sequoia—E. A. SHERMAN, Forest Supervisor, Hot Springs (WU via Porterville-WF); W. C. BURTON, Deputy Forest Supervisor; W. M. MAULE, Forest Assistant.

Shasta—W. B. RIDER, Forest Supervisor, Sisson (P-WF); PHILIP T. HARRIS, Deputy Forest Supervisor.

Sierra—C. H. SHINN, Forest Supervisor, Northfork (WU via Fresno-WF); H. J. TOMPKINS, Forest Assistant; WM. G. HOWARD, Forest Assistant.

Stanislaus—R. W. AYRES, Forest Supervisor, Sonora (WU-WF); D. N. ROGERS, Forest Assistant.

Tahoe—R. L. P. BIGELOW, Forest Supervisor, Nevada City (WU-WF); M. B. PRATT, Forest Assistant.

Trinity—F. H. HAFLEY, Forest Supervisor, Weaverville (WU-WF); W. A. HUESTIS, Deputy Forest Supervisor.

NEVADA.

Inyo—See California.

Mono—J. C. WELLS, Forest Supervisor, Gardnerville (WU-WF).

Tahoe—See California.

DISTRICT 6.

Washington, Oregon, a small portion of northern California, and Alaska.
Office, Beck Building, Portland, Oreg.

E. T. ALLEN, District Forester.
GEO. H. CECIL, Assistant District Forester.

C. R. PIERCE, District Law Officer.

OPERATION.

C. H. FLORY, Chief.
C. J. BUCK, Assistant Chief.

Organization, Chief and Assistant Chief of Operation.
Engineering, W. E. HERRING.
Occupancy, W. F. STALEY.
Accounts, A. H. COUSINS, District Fiscal Agent.
Maintenance, SHIRLEY BUCK.

SILVICULTURE.

F. E. AMES, Chief.
C. S. JUDD, Assistant Chief.

Timber Sales, Chief and Assistant Chief of Silviculture.

PROJECTS.

Supervision of timber sales and scaling, Washington National Forest—J. P. HUGHES, Lumberman, Bellingham, Wash.

Cooperation with Indian Office in classifying surplus lands, Spokane Indian Reservation—N. F. MACDUFF, Forest Assistant.

Planting, J. F. KUMMEL.
Silvics, T. T. MUNGER.

GRAZING.

HOWARD K. O'BRIEN, Chief.
T. P. MACKENZIE, Assistant Chief.

PRODUCTS.

J. B. KNAPP, Chief.
H. B. OAKLEAF, Assistant Chief.

PROJECTS.

Oregon—

Study of preservative processes used by commercial treating plants in Oregon and Washington—H. B. OAKLEAF, Portland.

Market studies of principal towns and study of milling operations in the Willamette Valley, Oregon—E. B. STARR, Portland.

Study of wood-using industries and markets for forest products—J. B. KNAPP, E. B. STARR, Portland.

Study of wood-distilling methods in Oregon and Washington—H. B. OAKLEAF and E. B. STARR, Portland.

Selection of material for tests on fire-killed Douglas fir—J. B. KNAPP, O. P. M. GOSS, Portland.

Washington—

Tests of Western hemlock and Western larch in cooperation with the University of Washington, the Pacific Coast Lumber Manufacturers' Association, and the Western Pine Manufacturers' Association—O. P. M. GOSS, assistant, P. H. BUHL, University Station, Seattle.

NATIONAL FORESTS.

ALASKA.

Chugach—W. A. LANGILLE, Forest Supervisor, Ketchikan; HOWARD M. CONRAD, Deputy Forest Supervisor; LAGE WERNSTEDT, Forest Assistant.

Tongass—W. A. LANGILLE, Forest Supervisor, Ketchikan; HOWARD M. CONRAD, Deputy Forest Supervisor; LAGE WERNSTEDT, Forest Assistant.

CALIFORNIA.

Crater—See Oregon.

Siskiyou—See Oregon.

OREGON.

Cascade—C. R. SEITZ, Forest Supervisor, Eugene; J. R. HARVEY, Deputy Forest Supervisor; CHESTER B. COX, Forest Assistant.

Crater—M. L. ERICKSON, Forest Supervisor, Medford; S. S. SWENNING, Deputy Forest Supervisor; H. D. FOSTER, Forest Assistant.

Deschutes—A. S. IRELAND, Forest Supervisor, Prineville.

Fremont—GUY M. INGRAM, Forest Supervisor, Lakeview; G. D. BROWN, Deputy Forest Supervisor.

Malheur—CY. J. BINGHAM, Forest Supervisor, John Day.

Oregon—T. H. SHERRARD, Forest Supervisor, Portland; RALPH S. SHELLEY, Deputy Forest Supervisor.

Siskiyou—M. J. ANDERSON, Forest Supervisor, Grants Pass; HUGH M. GUTHRIE, Deputy Forest Supervisor; H. HAEFNER, Forest Assistant.

Siuslaw—A. E. COHOON, Forest Supervisor, Eugene.

Umatilla—THOS. E. CHIDSEY, Forest Supervisor, Heppner.

Umpqua—S. C. BARTRUM, Forest Supervisor, Roseburg; H. M. HALE, Deputy Forest Supervisor.

Wallowa—HARVEY W. HARRIS, Acting Forest Supervisor, Wallowa.

Wenaha—See Washington.

Whitman—HENRY IRELAND, Forest Supervisor, Sumpter.

WASHINGTON.

Chelan—GEORGE W. MILHAM, Forest Supervisor, Chelan.

Columbia—H. O. STABLER, Forest Supervisor, Portland, Oreg.; ARTHUR R. WILCOX, Forest Assistant.

Colville—W. W. CRYDER, Forest Supervisor, Republic.

Olympic—FRED HANSON, Forest Supervisor, Hoodspoint.

Rainier—G. F. ALLEN, Forest Supervisor, Orting; F. B. KELLOGG, Forest Assistant.

Snoqualmie—B. P. KIRKLAND, Forest Supervisor, Seattle; E. T. CLARK, Forest Assistant.

Washington—C. H. PARK, Acting Forest Supervisor, Bellingham.

Wenaha—J. M. SCHMITZ, Forest Supervisor, Walla Walla.

Wenatchee—A. H. SYLVESTER, Forest Supervisor, Leavenworth; A. A. PARKER, Deputy Forest Supervisor; FRED W. CLEATOR, Forest Assistant.

SERVICE CHANGES IN MARCH.

APPOINTED.

Forester—

LAW: GEORGE S. ARNOLD, Law Examiner.

Silviculture—

STATE AND PRIVATE COOPERATION: DILLON TIERNEY, Forest Expert.

District 2—

ORGANIZATION: WARREN M. COX, Clerk, Arapaho National Forest; LEON E. THOMAS, Guard, Kansas National Forest; JOSEPH WOLFE, Guard, Rio Grande National Forest.

District 3—

ORGANIZATION: R. E. MARTIN, Guard Trapper, Gila National Forest; BYRON L. FITCH, Draftsman; W. J. WALLACE, Guard Hunter, Alamo National Forest; BENJ. H. CROSS, Assistant Ranger, Gila National Forest; Miss FRANCES MCCOLLUM, Forest Clerk, Prescott National Forest; MERRILL C. MARTIN, Forest Clerk, Arkansas National Forest; EARLE B. YOUNG, Assistant Forest Ranger, Gila National Forest; Miss CLARA M. WOOD, Clerk, Stenographer, and Typewriter.

PROMOTED.**District 1—**

PRODUCTS: P. R. HICKS, to Chief of Products.

District 2—

PRODUCTS: H. B. HOLROYD, to Assistant Chief of Products.

District 4—

ORGANIZATION: JAMES L. PELTON, Deputy Forest Ranger to Deputy Forest Supervisor, Lemhi National Forest.

TRANSFERRED.**District 1—**

ORGANIZATION: WILLIAM S. VAIL, Deputy Ranger, Kaniksu, in District 1, to District 5.

District 3—

ORGANIZATION: B. W. BEMBRY, Forest Clerk, Prescott National Forest, to Coronado National Forest.

CHANGES IN DESIGNATION.**Forester—**

LAW: PHILIP P. WELLS, Law Officer.

FURLoughed.**Forester—**

INFORMATION: TREADWELL CLEVELAND, Jr., Expert.

Silviculture—

STATE AND PRIVATE COOPERATION: J. S. HOLMES, Forest Examiner.

Products—

WOOD UTILIZATION: FREDERICK DUNLAP, Forest Assistant.

District 1—

ORGANIZATION: LEW BRUNDIGE, Assistant Ranger, Nezperce National Forest; EARL B. TANNER, Deputy Ranger, Bitterroot National Forest; WILLARD A. MALLERY, Deputy Ranger, Coeur d'Alene National Forest; ERNEST WETHERN, Assistant Ranger, Madison National Forest.

District 2—

ORGANIZATION: WILLIAM W. SMITH, Assistant Ranger, Routt National Forest; THOS. E. THURMAN, Assistant Ranger, Gunnison National Forest; JOHN A. WALLIS, Assistant Ranger, Cheyenne National Forest; WILLIAM O. WALTER, Assistant Ranger, Holy Cross National Forest.

District 3—

ORGANIZATION: ROSS McMILLAN, Forest Supervisor, Jemez National Forest; Mrs. RUTH HARRIS, Clerk; W. H. STEVENS, Forest Clerk, Datil National Forest.

RESTORED TO THE ROLLS.**Forester—**

KINGSLEY R. MACGUFFEY, Forest Assistant.

District 1—

ORGANIZATION: HERMAN E. ANDERSON, Assistant Ranger, Bighorn National Forest; CHAS. A. DAVIS, Deputy Ranger, Bighorn National Forest; OSCAR A. EMERY, Deputy Ranger, Bighorn National Forest; AUGUST W. YAGER, Assistant Ranger, Coeur d' Alene National Forest; MARTIN A. MURRAY, Deputy Ranger, Kaniksu National Forest; ALLEN O. CALBICK, Assistant Ranger, Flathead National Forest.

District 2—

ORGANIZATION: HOWARD S. BUSHNELL, Deputy Ranger, Montezuma; A. C. CATHER, Assistant Ranger, Pike National Forest; HOMER O. POTTS, Deputy Ranger, Las Animas National Forest.

District 3—

ORGANIZATION: F. C. W. POOLER, Forest Supervisor, Coconino National Forest.

REINSTATED.**District 3—**

ORGANIZATION: ARTHUR J. STOCKBRIDGE, Deputy Ranger, Gila National Forest.

SEPARATED.**Products—**

WOOD PRESERVATION: H. A. PAUL, Forest Agent.

District 3—

ORGANIZATION: G. H. KELLOGG, Assistant Land Examiner; E. H. CORLETT, Jr., Assistant Land Examiner.

RESIGNED.**District 1—**

ORGANIZATION: ROY N. WHITESITT, Assistant Ranger, Bitterroot National Forest; HERBERT WADSWORTH, Assistant Ranger, Beartooth National Forest; NORTON L. ALMON, Assistant Ranger, Missoula National Forest; WILFORD L. TRUDEAU, Assistant Ranger, Lolo National Forest.

District 2—

ORGANIZATION: EDWIN M. HAMILTON, Forest Supervisor, Black Hills National Forest; ERLE W. SCOTT, Deputy Ranger, Cheyenne National Forest; ROY R. WHITE, Deputy Ranger, Montezuma National Forest.

District 3—

ORGANIZATION: JOHN H. ROGERS, Deputy Ranger, Datil National Forest; JACKSON MCCREE, Assistant Ranger, Gila National Forest; R. A. LANE, Guard, Coconino National Forest; CLARK W. STORY, Deputy Ranger, Prescott National Forest; CARLTON JAY, Guard, Apache National Forest.

SUSPENDED.**District 3—**

ORGANIZATION: C. H. BERRY, Deputy Ranger, Jemez National Forest.

DISMISSED.**District 1—**

ORGANIZATION: GEO. M. KINNEY, Deputy Ranger, Coeur d'Alene National Forest.

With deep regret announcement is made of the death, on March 21, of Supervisor C. E. Schoonover, of the Kootenai National Forest.

SERVICE NOTES FOR APRIL.

These notes contain instructions and necessary information for Forest officers, and will, therefore, be carefully read and kept on file for reference.

OFFICE OF THE FORRESTER.

LAW.

Claims: Cooperation with the General Land Office—

In accordance with the suggestion of the Secretary of the Interior in his letter of March 2, 1909, the District Foresters were notified on March 13 that the existing procedure of the Forest Service in claims cases is modified as follows:

1. Recommendations should be eliminated from the reports of Forest officers, mining experts, and other employees of the Forest Service, and such reports should be confined to statements of fact ascertained by an examination of the claim. These statements of fact should include statements showing the names and addresses of witnesses interviewed and showing the substance of their testimony; and the reports should in all respects follow reports under the old practice, except that they should contain no recommendations.

2. These reports should be sent to the Chief of Field Division of the proper District of the General Land Office.

3. The Law Officer, or his assistant, is recognized by the Department of the Interior as having the right to attend hearings and to appear with and assist the Special Agent of the General Land Office. This attendance, appearance, and assistance should be arranged by the District Law Officer and Chief of Field Division.

4. In cases where cancellation of patents for lands in National Forests is to be sought, the facts to be used as a basis for court action to secure such cancellation should be reported to the Chief of Field Division, without recommendation, in the same manner as reports upon claims, and thereafter the District Forester, or District Law Officer acting for him, should stand ready to assist the Chief of Field Division in such manner as may be arranged by agreement with him.

5. [Action on this paragraph is suspended by the Forester's letter of March 22 to District Foresters.]

6. That timber and fence trespasses on National Forests hereafter reported shall be handled by the Forest Service without reference to any bureau of the Department of the Interior, but such trespasses as have hitherto been reported and are now being prosecuted or investigated by the Department of the Interior shall remain under the control of that Department, and, upon request of the Commissioner of the General Land Office or Chiefs of Field Division, the Forest Service officials shall render such aid as may be in their power.

7. In emergencies and in extraordinary cases the District Foresters may incur expenses necessary fully to present the facts to the Department of the Interior, and you are authorized to expend such proportion of the appropriate allotment as may be necessary in such emergencies and cases. Care should be taken in making expenditures under this authorization. [Specific authorization of the Forester must be secured in each case.]

8. Special effort should be made by the District Forester to cause all frauds or trespasses upon public lands in the vicinity of National Forests which may come to the notice of the field officers of the Forest Service to be promptly reported to him, so that he may at once inform the Commissioner of the General Land Office or the proper Chief of Field Division. This information should ordinarily be transmitted to the Chief of the Field Division.

Approval of Contracts and Bonds—

When the Manual of Procedure or any regulation requires that a permit, contract, bond, or other instrument shall be sent to Washington for the signature of the Forester, such instrument shall be first acknowledged according to Form 03, 04, 05, or 06, of the legal form book, and the acknowledgment forwarded with the other papers.

Legislation, Federal: Court of Private Land Claims—

The act of March 3, 1891, "to establish a court of private land claims," has been further extended to March 4, 1910, with the following proviso: "Provided, That the extension herein granted shall not apply to lands within the limits of a confirmed grant or embraced in any entry completed under the public land laws prior to filing of a claim hereunder, nor shall its provision extend to persons holding under assignments made after March third, nineteen hundred and one."

"Approved, February 26, 1909." (Public No. 277.)

Legislation, Federal: Railroad Grant Forfeitures—

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That each and every grant of right of way and station grounds heretofore made to any railroad corporation under the act of Congress approved March third, eighteen hundred and seventy-five, entitled "An act granting to railroads the right of way through the public lands of the United States," where such railroad has not been constructed and the period of five years next following the location of said road, or any section thereof, has now expired, shall be, and hereby is, declared forfeited to the United States, to the extent of any portion of such located line now remaining unconstructed, and the United States hereby resumes the full title to the lands covered thereby free and discharged from such easement, and the forfeiture hereby declared shall, without need of further assurance or conveyance, inure to the benefit of any owner or owners of land heretofore conveyed by the United States subject to any such grant of right of way or station grounds: *Provided*, That no right of way on which construction is progressing in good faith at the time of the passage of this act shall be in any wise affected, validated, or invalidated by the provisions of this act.

Approved, February 25, 1909. (Public No. 260.)

Legislation, Federal: New Laws—

A complete set of the laws (Publics) enacted by the Sixtieth Congress, second session, will be sent to each District Forester as soon as it can be obtained from the Government Printing Office, and later on, probably May 1, when these Publics have been printed in book form, a copy of the volume also will be sent.

Dual Withdrawals, National Forests v. Reclamation Projects—

The Secretary of the Interior decided on February 27, 1909, that:

When land within a National Forest is withdrawn for reclamation purposes under the act of 1902, the withdrawal for that purpose will be considered the dominant one and the land will remain liable to use by the Reclamation Service. Prior to the time the Reclamation Service requires the land for actual use it will remain, for administrative and protective purposes, under the control and jurisdiction of the Forest Service.

Claims Cases, Practice in General Land Office—

The Commissioner of the General Land Office, by letters of February 9 and March 12, has directed chiefs of divisions that, before final action is taken upon a case in which the Forest Service has reported facts tending to show that the claim is invalid, and when the claim is held valid despite the reports, the Forester will be sent a copy of the decision of the Commissioner and given notice that action will be taken unless further facts are reported within thirty days. This practice will also be followed in

cases where a hearing has been had and the decision to be promulgated is adverse to the findings of the Forest Service. District Foresters will please be careful to make any necessary additional reports within the thirty-day period.

School Lands in National Forests—

The Department of the Interior, in a letter dated March 1, 1909, to the Secretary of Agriculture, construing the enabling acts of South Dakota, North Dakota, Montana, and Washington (25 Stat., 679), decides:

1. That school sections in those States, unsurveyed at the time of inclusion in a National Forest, do not pass to the State upon survey, but remain a part of the Forest so long as it exists, and may be administered by the Forest Service as other parts of the Forest are administered.
2. That such sections, when settled upon before survey, may, after survey, on the application of the settler, be opened to agricultural entry under the act of June 11, 1906.
3. That under the special provision of such act relating to Lawrence and Pennington counties, in the Black Hills National Forest, and restricting its benefits to persons occupying such lands prior to January 1, 1906, the right of such an occupant is not cut off by the fact that he may have been removed from the land just before that date, under process of a State court, in a suit by a squatter from whom he held a contract of purchase.

DENDROLOGY.

Corrections in Common Names of Trees—

The following corrections are made in the list of changes in common names of trees printed in the Field Program for March: *Prunus subcordata*, western plum for Pacific plum; *Olneya tesota*, Mexican ironwood for Sonora ironwood; *Rhamnus purshiana*, cascara for cascara buckthorn.

STATISTICS.

Annual Forest Statistics—

The Forest Service cooperates with the Bureau of the Census in the compilation of annual statistics of forest products, including lumber, shingles, cooperage stock, cross-ties, pulp wood, etc. The bulk of the data is secured by reports from the manufacturers direct to the Census during the first three months of the calendar year, but there are always some firms which do not return the schedules sent them. During April or May, therefore, supervisors may expect to receive lists of lumber manufacturers, or other manufacturers, in or near their forests, from whom the Bureau of the Census has failed to obtain reports. The supervisors will get as much information as they can upon the output of these firms and forward it with the least possible delay to the District Forester for transmittal to the Washington Office.

OPERATION.

Preparation of Accounts—

Supervisors are not giving the proper degree of care to the preparation and recording of accounts. Special attention is called to the following points:

PAY ROLLS.—All names and initials should be written and spelled exactly as upon the copy of appointment. In submitting accounts for temporary labor the class of labor performed must be stated. Form 143 may be used for submitting accounts of temporary employees. The dates on which work was performed may be entered in the "Remarks" column. Whenever per diem temporary employees claim compensation for Sundays or legal holidays the rubber stamp reading, "I hereby certify that services were actually rendered as claimed on _____, and that the exigencies of the Service required such work," must be used, properly filled in and signed by the officer certifying to the account.

PURCHASE OF SUPPLIES.—Quantity and cost per unit should be stated for all supplies purchased. When food supplies are purchased for use of temporary employees

the rubber stamp reading, "Food supplies for exclusive use of temporary employees _____ days," should be stamped upon the voucher and filled in. When food supplies are purchased for permanent employees, that fact should be stated and a statement made of the reason why such purchase can be allowed. A rubber stamp is furnished for use in this connection. In purchasing supplies of any kind the fifty-dollar limit must not be exceeded unless (1) the exigency is fully stated, (2) the articles are purchased on annual contract, or (3) after informal bids for the articles have been secured. When informal bids are obtained, both the accepted and all rejected bids should accompany the voucher, and the number of dealers from whom bids were requested should be stated.

FREIGHT.—Accounts for railway freight should be accompanied by the bills of lading and should show weight, rate, points of shipment and delivery, and the names of the roads over which the shipment was made.

EXPRESSAGE.—Shipments by regular express companies should show weight, rate, points of shipment and delivery, and if rate is "graduated" that fact should be noted.

HAULING.—When accounts are rendered for hauling or packing they should distinctly show that fact. Do not use the word "freight" for "hauling" unless qualified by the word "wagon." Accounts of this nature should also state weight, rate, points of shipment and delivery, as well as distance of haulage. If any of these items are not obtainable, careful estimates should be made.

REIMBURSEMENT ACCOUNTS.—All subvouchers should be completely filled in, dated, and properly signed in ink, when possible. Any unusual expenditure should be accompanied by an explanation. All items should be arranged as nearly as possible in chronological order, except in the case of resubmission of previously suspended items, which should be placed at the end of the account.

FORM 99.—Greater care should be taken to avoid errors in preparation of Form 99. When an account is chargeable to more than one caption, the number of the caption in parentheses should be entered on the voucher opposite each item of the account. Do not fill in any amounts on any waved line upon vouchers, or any names, amounts, or dates upon the backs of vouchers when accounts are to be paid by the district fiscal agent. The supervisor's voucher number may be placed in the upper margin of the form, but should not be placed after the printed word "voucher." Forms 939 must be submitted in duplicate with all accounts covering purchase of nonexpendable property.

Accounting for Lost Property—

In accounting for lost property, Form 858 should be submitted in duplicate by the supervisor to the District Forester, who will forward both copies to the Property Auditor after indorsing and signing the original. If the member is relieved of responsibility, the Property Auditor credits the articles, stamps an indorsement on the duplicate stating the action taken, and sends it to the member. If the District Forester charges a member with the responsibility for the loss, the Property Auditor forwards the duplicate with the appropriate form, 861, which informs the member to what depository he should make his remittance. All payments by Forest Service employees on account of lost property or sales of condemned property should be made payable to the district depository.

Attention to the Follow-up System—

Attention is particularly requested to Service Order No. 14, in the Field Program for April, 1908. The follow-up system prescribed therein is not being strictly observed by Forest supervisors. In order that the number of letters written may be reduced to the minimum, a close observance of this system is necessary. The postal card (Form 326) should be returned promptly, or at least before the expiration of the two weeks allowed, in order that the yellow slip retained in the District Forester's office may be destroyed. Frequently this card is retained until the report or information called for is forwarded, and very often it is not returned at all.

Accounting for Property of Members Leaving the Service—

Since supervisors are personally responsible for all government property on their respective Forests, it devolves on each supervisor to make sure that all property in the possession of a ranger on his Forest, who is about to leave the Service, is promptly returned, or else properly transferred to another ranger, before his salary or expense vouchers are certified for payment.

Express Shipments on Government Bills of Lading—

Whenever practicable express shipments should be made on Government bills of lading, as such accounts pass through the general offices of the express companies before payment is made. Express agents located at remote points are frequently not supplied with proper tariffs, and in many cases, in order to protect themselves, make an overcharge. When a member of the Service pays such charges in cash and submits subvouchers for them in his reimbursement accounts, numerous suspensions result; and in many instances the member can not secure refund from the express company, and so loses the amount suspended.

Ranger and Guard Labor—

Attention is called to the note on "Ranger and Guard Labor" in the Field Program for February, page 181. When it is desired to charge to the salary allotment the time spent by rangers and guards on improvement work, the entry on Form 99 should be made in column "A" and charged against "General Administration." On the bottom of the form the amount should be charged against the proper project, but should be distinguished from amounts paid from "Improvement Funds" by indicating "Paid from Salary Allotment." In the project ledger the amounts so charged should be entered separately at the bottom of the page, and only included in the grand total upon completion of the project, in order to show the total actual cost. It is desired that charges be made in this way only in exceptional cases. Whenever practicable ranger and guard labor used on improvement projects should be charged against the improvement authorization.

Instructions in Forwarding Recommendations—

It will be of assistance to the District Office if supervisors, in recommending furloughs and restorations to duty, will give the full name, title, and salary of the member affected, identically as they appear in the appointment. It is important that such recommendations be received in the District Office prior to the date on which the action requested becomes effective. Many supervisors have not understood that if leave for a period in excess of thirty days is desired by an officer on a Forest a request for furlough must be made to the Secretary, and similarly when an officer returns to duty a request for his restoration must in all cases be made. Supervisors are asked to see that such requests are forwarded to the District Forester as far in advance of the date on which the action recommended is to take effect as is possible to determine.

Time Limit for Contest after Final Certificate—

The attention of Forest officers is invited to the decision of the Secretary of the Interior in the case of James A. Cobb et al. (37 L. D., 181), in which it was held:

Timber and stone entries under the act of June 3, 1878, do not come within the purview of the proviso to section 7 of the act of March 3, 1891, and action upon such entries is in no wise affected thereby.

The confirmatory proviso of section 7, act of March 3, 1891, is as follows:

That after the lapse of two years from the date of the issuance of the receiver's receipt upon the final entry of any tract of land under the homestead, timber-culture, desert-land, or preemption laws, or under this act, and when there shall be no pending contest or protest against the validity of such entry, the entryman shall be entitled to a patent conveying the land by him entered, and the same shall be issued to him.

Time for Issuing Free Agricultural Permits—

In many cases where land applied for under the act of June 11, 1906, is already used by the applicant under an agriculture permit at the usual rate of charge, the supervisors have delayed issuing free agriculture permits until after the next annual charge has become due. When the supervisor is notified of the acceptance of the application for listing, he should at once, if the permittee appears to have the preference right of entry, close the old special-use case or amend the permit, and issue a new permit without charge, for so much of the land as, in his opinion, is chiefly valuable for agriculture. (Use Book, p. 62.)

Newspaper Clippings Desired—

National Forest officers are asked to send to the District Foresters, in the daily mail envelope, as many local newspaper clippings relating to Forest Service work as possible. Articles which contain criticisms of the Service are especially desired. Such clippings will enable the District Foresters to keep in touch with local conditions. The hearty cooperation of all supervisors is needed to see that this information is received.

Additions to National Forests—

On January 26 the President signed a proclamation adding 330,034 acres to the Cleveland National Forest, and eliminating 1,682 acres therefrom, making the area of the present Cleveland National Forest 2,236,178 acres. The elimination was from the San Jacinto, but the additions were to the San Jacinto and Trabuco Canyon divisions. On February 23 the President signed proclamations consolidating the Datil and Magdalena National Forests, also adding 1,035,560 acres from the public land (San Augustine add.), making the present Forest 2,869,888 acres; also adding 5,950,000 acres to the Chugach National Forest, making the present area of this Forest 11,280,640 acres. On February 25 the President signed proclamations enlarging the Modoc National Forest, the Ozark National Forest, and the California National Forest. On February 27 the President signed a proclamation enlarging the Arkansas National Forest, Arkansas.

Films Lacking the Sender's Name—

No films should be sent to the photographer which are not properly marked on the outside of the package with the sender's name. This omission has occurred many times recently.

Ordering Films in Excess of Needs—

Members are requested to use more discretion hereafter when ordering films. The loss to the Service for the past year, in out-of-date films returned by members who have requisitioned in excess of their needs, has been considerable.

Final Proof on Claims within National Forests—

Forest supervisors should report promptly to the District Forester all cases of failure to receive from the local land office a copy of the notice of intention to make final proof upon claims either mineral or nonmineral within a National Forest, in accordance with the circular of the General Land Office dated August 1, 1905. (See Use Book, p. 292.) The specific claim or claims should be given in connection with which such an omission was made.

The Use of Form 861—

The last sentence of the instructions printed on the reverse side of Form 861 should read as follows: "Rangers will in all cases actuated upon by them send two copies to their supervisor. The supervisor will initial and send one copy to the District Forester and place the other copy in his files." The present supply of Form 861 will be used until exhausted. This modification will not obviate the necessity for keeping in the District Office a list of the Forest officers having authority to sell timber.

Progress of the Forest Atlas Folios—

The following-named Forest Atlas folios have been published and sent to District Foresters and supervisors: The Angeles, Battlement, Bear River, Beaver, Big Belt, Bitterroot, Blue Mountains, Chelan, Chiricahua (part), Coronado, Diamond Mountains, Fillmore (part), Flathead, Gallatin, Hayden (part), Helena, Holy Cross, Kaniksu, Kansas, Klamath, La Salle, Las Animas, Lemhi (part), Lewis and Clark,

Lolo, Luquillo, Madison, Malheur, Manti, Mount Graham, Olympic, Payette (part), Payson, Plumas, Prescott (part), Priest River, Salt Lake, Sawtooth, Sierra Madre, Siskiyou, Sitgreaves, Snoqualmie, Trinity, Wasatch, Washington, Wenatchee, Whitman, and Wichita.

The following folios are being engraved: The Absaroka, Apache, Beartooth, Cheyenne, Columbia, Custer, Gunnison, Kaibab, Lassen, Medicine Bow, Pocatello, Rainier, Sioux, Sundance, Targhee, and Teton.

The following folios are being compiled: The Alamo, Arapaho, Arkansas, Ashley, Bighorn, Blackhills, Bonneville, Cache, Caribou, Carson, Chiricahua, Cleveland, Cochetopa, Coconino, Coeur d'Alene, Colville, Crater, Crook, Datil, Dixie, Fishlake, Garces, Gila, Humboldt, Inyo, Jefferson, Jemez, Leadville, Lincoln, Manzano, Missoula, Moapa, Modoc, Mono, Montezuma, Nebo, Ocala, Oregon, Ozark, Pecos, Pike, Prescott, Rio Grande, Routt, San Isabel, San Juan, San Luis, Santa Barbara, Sevier, Shasta, Shoshone, Sierra, Stanislaus, Tahoe, Toiyabe, Tonto, Uinta, Uncompahgre, White River, and Wyoming.

It is again necessary to remind Forest officers that Forest Atlas folios are confidential records and are not to be sold or given away under any circumstances, but are strictly for official use.

Correction of Form Number—

In the March Field Program, page 205, under the heading "Leases to be Made in Duplicate," the number of the lease form was given as Form 54. It should have been Form 232.

Attention to Certain Initialing Needed—

The attention of supervisors is particularly directed to page 32 of the Manual of Procedure, under "Claims Contests," requiring the addition of the letter X after the key initial OL in the designation of claims cases in which a hearing has been ordered. A strict observance of this requirement is essential in order that the business of the District Offices may be properly handled.

Specifications for Meat and Meat-Food Products—

In accordance with instructions received from the Secretary of Agriculture, supervisors are requested to include, in the specifications accompanying informal bids on meat and meat-food products, the requirement, wherever practicable, that these supplies be "U. S. Inspected and Passed." It is recognized that many of the localities in which construction work is done are remote from markets and dependent upon local supplies which can not receive Government inspection, but the foregoing instructions should be carried out as far as practicable.

Indorsements on Final Proof Notices—

The Commissioner of the General Land Office has requested that Forest supervisors make their indorsements on the face and at the bottom of the new Form 4-348a, "Notice of Intention to Submit Proof." Supervisors will comply with this request.

Reimbursement for Laundry Expenses—

Numerous disallowances have recently been made because paragraph 9 (n) of the Fiscal Regulations is not literally followed by members in submitting reimbursement accounts. The provisions of this paragraph must be strictly complied with. For example, during the current month, an account covering traveling expenses from April 1 to 30, inclusive, can not contain a charge on April 3 for laundry for the week of March 28 to April 3, \$1.25, even though no conflicting charge was made in the March account. On April 3 the member is entitled to a laundry charge of only 60 cents, and on April 10, 17, and 24 to a charge not exceeding \$1.25. On April 30 he is entitled to \$1.20, being six days at 20 cents per day. All of these charges must, of course, have been actually incurred and paid.

SILVICULTURE.

Records of Cut-Over Areas—

In order that the records of cut-over areas may be complete, and that they may be useful as guides for future management, it is especially important that a clear, concise description of the condition of each cut-over area at the close of logging operations should be prepared. This report should describe the silvicultural method of cutting used, the character and number of trees left on the tract, the method of disposal of the brush, the amount of reproduction present, the character of the ground cover, and any other factors which may influence the regeneration of the area. This report on the condition of the sale area immediately after a sale is concluded will constitute the first record of the cut-over area. The fact that it has been made should be entered on the index card (Form 248) and a copy of the report sent to the District Forester. Subsequent examinations to note the progress of reproduction should be made for each area at intervals of from two to four years.

Seed Available for Distribution—

The following amounts of seed are available for distribution from District 1: Western yellow pine, 200 pounds; western white pine, 200 pounds; lodgepole pine, 100 pounds; total, 500 pounds.

The following surplus seed is on hand in District 2: *Picea engelmanni*, 200 pounds, from the Colorado Forests, and *Picea ponderosa*, 100 pounds, from the Boise Forest.

In District 3 the surplus of seed available for distribution to other Districts is as follows: Western yellow pine, 225 pounds; Engelmann spruce, 224 pounds; and Douglas fir, 84 pounds.

In District 4 no seed is available for distribution to other districts. About 55 pounds of lodgepole pine seed and 45 pounds of Engelmann spruce seed on hand will not be sown this spring, but will be held over for sowing next fall.

There is no surplus seed in District 5 for distribution to other Districts.

GRAZING.

Letters Disapproving Grazing Applications—

Letters disapproving applications for grazing permits should state explicitly why the application is disapproved. For instance, if the range is fully stocked by Class A applicants this should be noted in the letter, or any other information which will show the applicant that such action is clearly within the policy and the regulations. These letters need not be very elaborate or in much detail. Where applicants have previously been granted permits on the National Forests it is especially important that the District Forester be fully informed of the reasons for disapproving future applications, though this additional information need not be a part of the letter to the applicant. Ordinarily this should be submitted as supplemental information.

Making the Charge for Lambing Privileges—

It appears that supervisors in some cases do not understand the proper method of making charges for lambing privileges. The additional charge of 2 cents per head for all ewes lambed within a Forest does not apply on the regularly established fee charged for grazing, but is for the privilege of lambing only, and is to be added to the grazing fee established for the particular grazing period during which the sheep are on the Forest.

Notice to Delinquent Applicants—

At the beginning of each grazing period for which applications for grazing permits have been approved, the supervisor will notify all persons who have not paid the grazing fees that their payments are overdue, and, if the amount of the grazing fee is not forwarded immediately to the United States depository, it may be necessary

to cancel their applications. Thirty days after the beginning of the grazing period the supervisor will report all delinquent grazing applications to the District Forester, with recommendations for cancellation of the applications or such other action as appears justified by the circumstances in each case.

Special Use Permits for Hay Sales—

Special use permits for hay sales are not presumed to run for an indefinite time, but should be closed as soon as possible after the hay is removed. If the permittee desires to continue the use of the land for cutting hay from year to year, the permit should be issued as an agricultural special use permit.

PRODUCTS.

Distribution of Publications—

The first paragraph on page 185 of the February Field Program, under the caption "Distribution of Publications," was not intended to include the distribution of The Use Book by Forest supervisors or rangers to actual or prospective users of the National Forests or to the distribution of publications such as the notices of ranger examinations. Such publications have heretofore been distributed by Forest officers without especial marking, and not always by simply handing a copy to a visitor, and this practice is still permissible.

Approval of Request Required—

Members of the field force will be required hereafter to secure the approval of their supervisor or District Forester when they call for expensive publications of other bureaus of the Department. Some of these publications are very valuable and are issued only in limited editions.

Where to Obtain Service Publications—

Members of the Service in the West will be expected hereafter to get their copies of the Service publications, including the Field Program, from the supervisor of the Forest or the District Forester of the office where they are stationed. Members in the East can secure these publications either by writing to the Washington Office in each case for them, or by sending in their addresses to be carried on a regular mailing list.

Care in the Ordering of Forms—

The Property Clerk at Ogden is subjected to considerable embarrassment from the tendency of District and Forest officers to order forms in excess of actual needs. It is necessary for the Property Clerk, in ordering his general stock, to use as a basis the requisitions that come to him; and unless these conform to actual requirements, excessive quantities are ordered and the requisitions are cut down in Washington or held up pending inquiry. Hereafter forms should be requisitioned on the basis of a six months' need, instead of a twelve months'.

United States Department of Agriculture, FOREST SERVICE.

GIFFORD PINCHOT, Forester.

FIELD PROGRAM FOR MAY, 1909.

This program of field work and assignments in the Forest Service is issued on the first day of each month, and is for the exclusive use of members of the Service and cooperating bureaus. The names of members whose assignments are not yet fixed and reference to projects for which plans have not been matured are necessarily omitted. All orders and other instructions printed in the Field Program will apply to all Districts.

It is requested that the members of the Forest Service cooperate in making this program complete and accurate.

Unless the address of a member is given in this program or is definitely known, he should be addressed in care of the Forest Service, Washington, D. C.

OFFICE OF THE FORESTER.

GIFFORD PINCHOT, Forester.

OVERTON W. PRICE, Associate Forester.

HARRY L. HILL, Secretary to the Forester.

P. P. WELLS, Law Officer.

A. C. SHAW, Principal Examiner.

HERBERT A. SMITH, Editor.

GEORGE B. SUDWORTH, Dendrologist.

R. S. KELLOGG, Assistant Forester, engaged upon Forest statistics.

EUGENE S. BRUCE, Expert Lumberman.

D. D. BRONSON, }
R. E. BENEDICT, } General Inspectors.

E. M. GRIFFITH, Special Inspector, for Indian Reservations in Wisconsin, Madison, Wis.

OPERATION.

JAMES B. ADAMS, Assistant Forester, in Charge.

CHAS. S. CHAPMAN, Assistant Forester.

H. B. CRAMER, Fiscal Agent.

GEORGE G. ANDERSON, Assistant in Office Methods.

OCCUPANCY.

M. J. McVEAN, Chief.

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ACCOUNTS.

W. R. FUCHS, District Fiscal Agent.

GEOGRAPHY.

F. G. PLUMMER, Chief.

Atlas, G. B. BRUCE, Acting.**Drafting**, C. A. KOLB.**Alienation**, J. B. SATTERLEE.**Photography**, A. G. VARELA.

MAINTENANCE.

GEORGE A. BENTLEY, Acting Chief.

SILVICULTURE.

WILLIAM T. COX, Assistant Forester, in Charge.**E. E. CARTER**, Assistant Forester.

FEDERAL COOPERATION.

A. B. PATTERSON, Chief.

H. IRION, Assistant.

PROJECTS.

Wisconsin—

Lumbering operations on the Menominee Indian Reservation—E. A. BRANIFF, Neopit.

Inspection of logging on the Bad River and other Indian Reservations in northern Wisconsin—T. F. YOUNG, MARK BURNS, W. R. MCKINNON, and W. H. FARR, Ashland.

STATE AND PRIVATE COOPERATION.

J. G. PETERS, Chief.

PROJECTS.

Alabama—

Preparation of a working plan for the Tennessee Coal, Iron and Railroad Company—E. D. CLARK, G. T. BACKUS, and W. H. VON BAYER, Birmingham.

Eastern States—

General inspection of experiments in nursery and planting work, in cooperation with different States—E. O. SIECKE, Washington, D. C.

Timberland examinations, in cooperation with private owners—R. C. HALL, W. B. WILLEY, W. BRADFIELD, and A. E. OMAN, Washington, D. C.

Georgia—

Preliminary examination of timberland in cooperation with the Pfister and Vogel Leather Company—J. H. FOSTER, Washington, D. C.

Montana—

Preparation of report on forest lands, in cooperation with the Northern Pacific Railway Company—L. S. MURPHY, Washington, D. C.

SILVICS.

RAPHAEL ZON, Chief.

PROJECTS.

General—

Seed testing and seed storage—N. H. GRUBB, Washington, D. C.

Southern States—

Study of bald cypress—F. T. MCLEAN, Washington, D. C.

Western States—

Location of insect-infested timber in the National Forests, with practical application of methods of insect control—W. D. EDMONSTON (detailed to the Bureau of Entomology under instructions from Dr. A. D. Hopkins in charge of forest-insect investigations), Colorado Springs, Colo.

Library, Miss H. E. STOCKBRIDGE.**Compilation**, E. H. FROTHINGHAM.

GRAZING.

A. F. POTTER, Assistant Forester (in the Field).
L. F. KNEIPP, Assistant Forester (in the Field).
WILL C. BARNES, Acting Assistant Forester, in Charge.

PROJECTS.

Forage and reseeding experiments—W. C. CLOS; Manti, Utah.

Forage investigations; compilation of data—F. V. COVILLE, Botanist, Bureau of Plant Industry, in charge, Washington, D. C.; JAMES T. JARDINE, Deputy Forest Supervisor, Wallowa, Oreg., and ARTHUR T. SAMPSON, Plant Ecologist, Hot Springs, Cal.

Identification of grasses and plants—Dr. EDWARD L. GREENE, Consulting Expert, Washington, D. C.

Poisonous-plant investigations—Prof. C. D. MARSH, Expert, Bureau of Plant Industry, in charge, Mount Carbon, Colo.; IVAR TIDESTROM, Scientific Assistant, Ephraim, Utah.

Extermination of prairie dogs—H. L. BENHAM, Grazing Assistant, Denver, Colo.

PRODUCTS.

WM. L. HALL, Assistant Forester, in Charge.
McGARVEY CLINE, Assistant Forester (in the Field).

WOOD UTILIZATION.

ROLF THELEN, Acting Chief.

Computing, E. A. ZIEGLER.

PROJECTS.

Compilation of forest tables—E. A. ZIEGLER, Washington, D. C.

Computing—Silvical data; timber tests; timber sales.

Wood Chemistry, H. S. BRISTOL.

PROJECTS.

Study of methods of wood distillation and for the standardization and grading of turpentines—L. F. HAWLEY, Washington, D. C.; assistant, F. E. LICHTENTHAELER, 88 Broad street, Boston, Mass.

Experiments with various woods for paper pulp—E. SUTERMEISTER; assistant, J. L. MERRILL, both at Washington, D. C.

Study of wood preservatives and of chemical problems in wood utilization—E. BATEMAN; assistant, C. F. SPEH, both at Washington, D. C.

Compilation of data on materials used in paper making—H. E. SURFACE, Washington, D. C.

Wood Uses, ROLF THELEN, Acting.

PROJECTS.

Connecticut—

Study of the effect of drying on strength of timber and the absorption of water at various temperatures, in cooperation with Yale University—H. D. TIEMANN, Yale Station, New Haven; assistants, H. E. MCKENZIE and CORNELIUS BARRY.

Microscopic study of the mechanical failure of wood—W. D. BRUSH, Yale Station, New Haven.

Indiana—

Tests of structural timbers and several hickories, in cooperation with Purdue University, the Illinois Central Railway Company, and the National Hickory Association—W. K. HATT, Purdue University, La Fayette; assistants, J. A. NEWLIN, J. O. BIXBY, WILLIAM D. DUDDING, T. LYONS, and H. WEYLS.

General Studies—

Collection of statistics of forest products, in cooperation with the Bureau of the Census—**GEORGE K. SMITH**, Lumbermen's Building, St. Louis, Mo.

Study of wood-using industries and markets for forest products—**H. S. SACKETT**, Washington, D. C.; **FRANKLIN H. SMITH**, 776 Federal Building, Chicago, Ill.

Study of wood-using industries in Massachusetts, in cooperation with F. W. Rane, State Forester, State House, Boston, Mass.—**H. S. SACKETT**, Washington, D. C.

Design of experimental dry kiln—**FREDERICK DUNLAP**, Washington, D. C.

WOOD PRESERVATION.

W. F. SHERFESEE, Chief.

PROJECTS.

Preparation of an exhibit for the Alaska-Yukon-Pacific Exposition—**E. W. PETERS**, Washington, D. C.

Cooperation, **JOHN M. NELSON**, Jr.

Alabama—

Construction and experimental operation of a wood-preserving plant, in cooperation with the Tennessee Coal, Iron and Railroad Company—**EDWARD H. FORD**, Birmingham.

Georgia—

Inspection of experimental pole lines, in cooperation with the American Telephone and Telegraph Company—**W. H. KEMPFER**, Washington, D. C.

Indiana—

Experimental operation of a treating plant, in cooperation with the Indianapolis, Columbus and Southern Traction Company—**C. P. WINSLOW**, Columbus (after May 15).

Louisiana—

Experiments in treating the products of southern lumber mills, in cooperation with the Great Southern Lumber Company—**CHARLES T. BARNUM**, Bogalusa.

Minnesota—

Compilation of results of experimental treatments of fence posts and other form timbers—**C. P. WILLIS**, Washington, D. C.

New Jersey—

Construction and experimental operation of a wood-preserving plant, in cooperation with the War Department, Picatinny Arsenal—**F. M. BOND**, Dover.

Pennsylvania—

Experimental operation of a commercial nonpressure plant for the treatment of mine timbers, in cooperation with the Philadelphia and Reading Coal and Iron Company—**JNO. M. NELSON**, Jr., Washington, D. C.; assistant detailed by the company, **L. W. CONRAD**, Pottsville.

Research, **HOWARD F. WEISS**.

PROJECTS.

General plans for laboratory tests—**H. F. WEISS**, Washington, D. C.

PUBLICATION.

FINDLEY BURNS, [Chief.

Review, **BRISTOW ADAMS**.

Education, **DON CARLOS ELLIS**, Acting.

Distribution, **WILLIS G. BROWN**.

DISTRICTS.

DISTRICT 1.

Montana, northeastern Washington, northern Idaho, northern Wyoming, northwestern South Dakota, northern Michigan, northern Minnesota, and southwestern North Dakota.

Office, Hammond Block, Missoula, Mont.

W. B. GREELEY, District Forester.

F. A. SILCOX, Assistant District Forester.

W. M. AIKEN, District Law Officer.

OPERATION.

R. H. RUTLEDGE, Chief.

R. Y. STUART, Assistant Chief.

Organization, CLIFTON W. HUDSON, Acting.

Engineering, J. P. MARTIN.

Occupancy, E. B. QUIGGLE, Acting.

Accounts, H. I. LOVING, District Fiscal Agent.

Maintenance, R. L. CAMPBELL.

SILVICULTURE.

A. W. COOPER, Chief.

D. T. MASON, Assistant Chief.

Timber Sales, Chief and Assistant Chief of Silviculture.

Planting, E. C. CLIFFORD.

Silvics, W. T. STONE.

GRAZING.

C. H. ADAMS, Chief.

W. S. PERRINE, Assistant Chief.

PRODUCTS.

P. R. HICKS, Chief.

F. I. ROCKWELL, Assistant Chief.

PROJECTS.

Montana—

Study of wood-using industries and markets for forest products—**F. I. ROCKWELL**, Missoula.

Construction and experimental operation of a wood-preserving plant for treating fence posts and other ranch timbers, in cooperation with the Bitter Root Stock Farm.—**P. R. HICKS**, Missoula.

NATIONAL FORESTS.

IDAHO.

Beaverhead—See Montana.

Clearwater—**F. A. FENN**, Forest Supervisor, Kooskia (WU-N).

Coeur d'Alene—**W. G. WEIGLE**, Forest Supervisor, Wallace (WU-N); **E. R. BRUNKE**, Deputy Forest Supervisor; **RUTLEDGE PARKER**, Forest Assistant.

Kaniksu—See Washington.

Nezperce—**GEO. V. RING**, Forest Supervisor, Grangeville (WU-N).

Pend Oreille—**J. E. BARTON**, Forest Supervisor, Sandpoint (WU-N,W).

MICHIGAN.

Marquette}—Not under administration.
Michigan

MINNESOTA.

Minnesota—G. E. MARSHALL, Forest Supervisor, Cass Lake (WU-GN).
Superior—J. S. BAIRD, Acting Forest Supervisor, Ely (WU-GN).

MONTANA.

Absaroka—V. GIFFORD LANTRY, Forest Supervisor, Livingston (WU-N); HARRY S. KAUFMAN, Deputy Forest Supervisor.
Beartooth—E. C. RUSSELL, Forest Supervisor, Red Lodge (WU-N).
Beaverhead—C. K. WYMAN, Forest Supervisor, Dillon (WU-P); R. J. MOORE, Deputy Forest Supervisor.
Bitterroot—W. W. WHITE, Forest Supervisor, Missoula (WU-N); V. F. PRESTON, Deputy Forest Supervisor.
Blackfeet—F. N. HAINES, Forest Supervisor, Kalispell (WU-GN); R. P. McLAUGHLIN, Deputy Forest Supervisor; C. N. WHITNEY, Forest Assistant.
Cabinet—RALPH H. BUSHNELL, Acting Forest Supervisor, Thompson Falls (WU-N).
Custer—GLEN A. SMITH, Acting Forest Supervisor, Ashland (WU via Miles City-N via Miles City).
Deerlodge—C. C. HALL, Forest Supervisor, Anaconda (P-N); F. S. PATTON, Forest Assistant.
Flathead—PAGE S. BUNKER, Forest Supervisor, Kalispell (WU-GN).
Gallatin—D. T. CONKLING, Forest Supervisor, Bozeman (WU-N); A. A. SAUNDERS, Forest Assistant.
Helena—DWIGHT BUSHNELL, Forest Supervisor, Helena (WU-N); J. D. WARNER, Deputy Forest Supervisor.
Jefferson—J. B. SEELY, Forest Supervisor, Great Falls (WU-N).
Kootenai—W. A. RAYMOND, Acting Forest Supervisor, Libby (WU-GN).
Lewis and Clark—W. H. DAUGS, Forest Supervisor, Chouteau (WU via Collins-GN via Collins).
Lolo—ELERS KOCH, Forest Supervisor, Missoula (WU-P-N); M. N. STICKNEY, Forest Assistant.
Madison—GEORGE E. HUMISTON, Acting Forest Supervisor, Sheridan (WU-N).
Missoula—D. G. KINNEY, Forest Supervisor, Missoula (WU, P-N).
Sioux—See South Dakota.

NORTH DAKOTA.

Dakota—C. A. BALLINGER, Forest Supervisor, Camp Crook, S. Dak. (WU via Belle Fourche-Am via Belle Fourche).

SOUTH DAKOTA.

Sioux—C. A. BALLINGER, Forest Supervisor, Camp Crook.

WASHINGTON.

Kaniksu—W. N. MILLAR, Acting Forest Supervisor, Newport (WU-GN).

WYOMING.

Bighorn—W. E. JACKSON, Forest Supervisor, Sheridan (WU-Ad); HERBERT GRAFF, Deputy Forest Supervisor; WM. C. LATANE, Forest Assistant.
Shoshone—H. W. THURSTON, Forest Supervisor, Cody (WU-Ad).

DISTRICT 2.

Colorado, southern Wyoming, South Dakota, Nebraska, and western Kansas.

Office, Majestic Building, Denver, Colo.

SMITH RILEY, District Forester.
P. G. REDINGTON, Assistant District Forester.

J. M. CATES, District Law Officer.

OPERATION.

FRED W. MORRELL, Chief.
C. J. STAHL, Assistant Chief.

Organization, Chief and Assistant Chief of Operation.
Engineering, R. E. MESNARD.
Occupancy, FRED LEES.
Accounts, E. A. MELZAR, District Fiscal Agent.
Maintenance, F. B. AGEE.

SILVICULTURE.

A. K. CHITTENDEN, Chief.
S. L. MOORE, Assistant Chief.

Timber Sales, R. W. ALLEN, Acting.

PROJECTS.

South Dakota—

Supervision of logging and fire protection, Pine Ridge Indian Reservation—LOUIS KNOWLES, Deadwood.

Supervision of logging, Rosebud Indian Reservation—ROBERT EMERY, Rosebud.

Wyoming—

Special timber work on the Sundance National Forest—G. P. BARD, Sundance.

Planting, L. C. MILLER.
Silvics, C. G. BATES.

PROJECTS.

Nebraska—

Nebraska National Forest—Planting experiments to determine the value of seedlings of various species, ages, and quality, the value of nurse trees, and of methods of planting—C. G. BATES, Halsey.

South Dakota—

Black Hills National Forest—Sowing experiments to determine the history of seedlings in brush land, aspen stands, open areas, and areas on which brush has been scattered. Establishment of permanent sample plots in yellow pine forest—C. G. BATES, Halsey, Nebr.

GRAZING.

J. W. NELSON, Chief.
E. N. KAVANAGH, Assistant Chief.

PRODUCTS.

C. L. HILL, Chief.
H. B. HOLROYD, Assistant Chief.

PROJECTS.

Colorado—

Preservative treatment of railway cross-ties, in cooperation with the Colorado Midland Railway Company—D. L. CARMODY, Norrie.

Preservative treatment of telephone poles, in cooperation with the Central Colorado Power Company—D. L. CARMODY, Norrie.

Tests on mine timbers of various Rocky Mountain species, in cooperation with the University of Colorado and the Northern Coal and Coke Company—A. L. HEIM, Boulder.

Tests on Western yellow pine and Colorado Douglas fir cross-ties, in cooperation with the University of Colorado and the Colorado and Northwestern Railway Company—A. L. HEIM, Boulder.

Tests on trestle timbers, in cooperation with the University of Colorado and the Denver City Tramway Company—A. L. HEIM, Boulder.

South Dakota—

Supervision of operation of treating plant, in cooperation with the Homestake Mining Company—HARRY MILLS MASON, Jr., Lead City.

General Studies—

Wood-using industries and markets for forest products—H. B. HOLROYD, Denver, Colo.

NATIONAL FORESTS.

COLORADO.

Arapaho—C. G. POOLE, Acting Forest Supervisor, Sulphur Springs (WU-Ad).
Battlement—DAVID ANDERSON, Forest Supervisor, Collbran (WU-WF, G); JOHN W. LOWELL, Jr., Deputy Forest Supervisor.
Cochetopa—EUGENE WILLIAMS, Forest Supervisor, Saguache (WU-G).
Gunnison—WM. R. KREUTZER, Forest Supervisor, Gunnison (WU-WF, G); E. C. BERKY, Deputy Forest Supervisor.
Hayden—See Wyoming.
Holy Cross—HARRY H. FRENCH, Forest Supervisor, Glenwood Springs (WU-WF, G); JOHN McLAREN, Deputy Forest Supervisor; JAY HIGGINS, Forest Assistant.
La Sal—See Utah.
Las Animas—C. A. WHITNEY, Acting Forest Supervisor, La Veta (WU-G).
Leadville—A. L. STROUP, Forest Supervisor, Leadville (WU, P-WF, G); J. F. BRUINS, Deputy Forest Supervisor; J. E. MARTIN, Forest Assistant.
Medicine Bow—H. N. WHEELER, Forest Supervisor, Fort Collins (WU-WF); C M. GRANGER, Deputy Forest Supervisor.
Montezuma—RESS PHILLIPS, Forest Supervisor, Mancos (WU-G).
Pike—C. W. FITZGERALD, Forest Supervisor, Denver (WU, P-Ad, G, P, US, WF); W. J. MORRILL, Deputy Forest Supervisor; Pikes Peak Planting Station—W. SCHRADER, Forest Planting Assistant, Monument.
Rio Grande—F. C. SPENCER, Forest Supervisor, Monte Vista (WU-G); P. T. COOLIDGE, Forest Assistant.
Routt—J. H. RATLIFF, Acting Forest Supervisor, Steamboat Springs (WU-Ad).
San Isabel—J. N. LANGWORTHY, Acting Forest Supervisor, Westcliffe (WU-G).
San Juan—ERNEST W. SHAW, Forest Supervisor, Durango (WU-G); A. L. SWEITZER, Deputy Forest Supervisor; PETER KEPLINGER, Forest Assistant.
Uncompahgre—HENRY L. SPENCER, Acting Forest Supervisor, Delta (WU-G); J. H. RAMSKILL, Forest Assistant.
White River—JAMES A. BLAIR, Forest Supervisor, Meeker (WU-WF, G).

KANSAS.

Kansas—B. R. H. d'ALLEMAND, Acting Forest Supervisor, Garden City (WU, P-WF); Garden City Planting Station—C. R. TAYLOR, Forest Planting Assistant.

NEBRASKA.

Nebraska—W. H. MAST, Forest Supervisor, Halsey (WU-Ad); H. R. SHOCKLEY, Deputy Forest Supervisor; Halsey Planting Station—L. BESLEY and C. R. BECHTLE, Forest Planting Assistants.

SOUTH DAKOTA.

Black Hills—PAUL D. KELLETER, Acting Forest Supervisor, Deadwood (WU-Ad, Am); JOHN MURDOCH, Jr., and ROBERT E. CLARK, Forest Assistants.

WYOMING.

Cheyenne—P. S. LOVEJOY, Acting Forest Supervisor, Saratoga (WU, P-P); R. A. STRETCH and ARTHUR M. COOK, Forest Assistants.
Hayden—JAMES BLACKHALL, Acting Forest Supervisor, Encampment (WU, P-P).
Sundance—G. C. SMITH, Acting Forest Supervisor, Sundance (WU-Ad, Am).

DISTRICT 3.

Arizona, Arkansas, Florida, New Mexico, and Oklahoma.

Office, Strickler-Luna Building, Albuquerque, N. Mex.

A. C. RINGLAND, District Forester.
E. H. CLAPP, Assistant District Forester.

H. B. JAMISON, District Law Officer.

OPERATION.

A. O. WAHA, Chief.
R. G. WILLSON, Assistant Chief.

Organization, Chief and Assistant Chief of Operation.

Engineering, E. H. JONES.

Occupancy, B. FRANKLIN.

Accounts, J. J. DUFFY, District Fiscal Agent.

Maintenance, W. B. BUNTON.

SILVICULTURE.

T. S. WOOLSEY, Jr., Chief.
A. B. RECKNAGEL, Assistant Chief.

Timber Sales, STANTON G. SMITH, Acting.

PROJECT.

Arizona—

Supervision of cutting, San Carlos Indian Reservation—**J. J. WOOLSEY**, San Carlos.

Planting, A. S. PECK.

R. L. ROGERS, Assistant.

Silvics, W. R. MATTOON.

G. A. PEARSON, Assistant, Coconino Forest Experiment Station,
Flagstaff, Ariz.

GRAZING.

J. K. CAMPBELL, Chief.
JOHN KERR, Assistant Chief.

PRODUCTS.

O. T. SWAN, Chief.

PROJECTS.

Preparation of report on the seasoning and the preservative treatment of cedar poles—**O. T. SWAN**, Albuquerque, N. Mex.

Statistical study of lumber consumption in District 3—**O. T. SWAN**, Albuquerque, N. Mex.

NATIONAL FORESTS.

ARIZONA.

Apache—**JOHN D. GUTHRIE**, Acting Forest Supervisor, Springerville (WU, P-WF);
W. H. KOBBE, Forest Assistant.

Chiricahua—**A. H. ZACHAU**, Acting Forest Supervisor, Douglas (WU, P-WF);
H. D. BURRALL, Forest Assistant.

Coconino—**WILLARD M. DRAKE**, Acting Forest Supervisor, Flagstaff (WU, P-WF).

Coronado—**ROBERT J. SELKIRK**, Forest Supervisor, Benson (WU, P-WF).

Crook—**T. T. SWIFT**, Forest Supervisor, Safford (WU-WF).

Garces—**W. H. B. KENT**, Forest Supervisor, Nogales (WU-WF).

Prescott—**C. H. HINDERER**, Forest Supervisor, Prescott (WU-WF).

Sitgreaves—**A. H. DOUGLAS**, Acting Forest Supervisor, Snowflake (WU, P-WF).

Tonto—**J. W. FARMER**, Acting Forest Supervisor, Roosevelt (WU-WF).

ARKANSAS.

Arkansas—**S. J. RECORD**, Forest Supervisor, Mena (WU-WF); **FRANCIS KIEFER**, Forest Assistant.

Ozark—**DAVID E. FITTON**, Forest Supervisor, Harrison (WU-WF); **W. F. HILL**, Deputy Forest Supervisor.

FLORIDA.

Choctawhatchee }—Not under administration.
Ocala

NEW MEXICO.

Alamo—**ARTHUR M. NEAL**, Forest Supervisor, Alamogordo (WU, P-WF); **L. L. JANES**, Forest Assistant.

Carson—**Ross McMILLAN**, Forest Supervisor, Santa Fe (WU, P-WF); **THOS. R. STEWART**, Deputy Forest Supervisor; **HARRY J. POOLER**, Forest Agent.

Chiricahua—See Arizona.

Datil—**W. H. GODDARD**, Forest Supervisor, Magdalena (WU, P-WF); **R. F. BALTHIS**, Deputy Forest Supervisor.

Gila—**DOUGLAS RODMAN**, Acting Forest Supervisor, Silver City (WU-WF); **FRANK E. ANDREWS**, Deputy Forest Supervisor; Fort Bayard Planting Station—**H. C. TURNER** and **F. A. CALKINS**, Forest Planting Assistants.

Jemez—**Ross McMILLAN**, Forest Supervisor, Santa Fe (WU, P-WF); **THOS. R. STEWART**, Deputy Forest Supervisor; **HARRY J. POOLER**, Forest Agent.

Lincoln—**J. A. KINNEY**, Forest Supervisor, Capitan (WU, P-WF).

Magdalena—W. H. GODDARD, Forest Supervisor, Magdalena (WU, P-WF); R. F. BALTHIS, Deputy Forest Supervisor.

Manzano—A. D. READ, Forest Supervisor, Albuquerque (WU, P-WF).

Pecos—Ross McMILLAN, Forest Supervisor, Santa Fe (WU, P-WF); THOS. R. STEWART, Deputy Forest Supervisor; Las Gallinas Planting Station—W. D. HAYES, Forest Assistant; A. HEDRICKS, Forest Planting Assistant; HARRY J. POOLER, Forest Agent.

OKLAHOMA.

Wichita—FRANK RUSH, Acting Forest Supervisor, Cache (WU-WF).

DISTRICT 4.

Utah, southern Idaho, western Wyoming, eastern Nevada, and northwestern Arizona.

Office, First National Bank Building, Ogden, Utah.

CLYDE LEAVITT, District Forester.

FRANKLIN W. REED, Assistant District Forester.

W. C. HENDERSON, District Law Officer.

OPERATION.

R. P. IMES, Chief.

E. H. CLARKE, Assistant Chief.

Organization, Chief and Assistant Chief of Operation.

Engineering, A. T. MITCHELSON.

Occupancy, TIMOTHY C. HOYT.

Accounts, Q. R. CRAFT, District Fiscal Agent.

Maintenance, R. E. CONNER.

SILVICULTURE.

L. L. WHITE, Chief.

O. M. BUTLER, Assistant Chief.

Timber Sales, Chief and Assistant Chief of Silviculture.

Planting, J. M. FETHEROLF.

Silvics, E. R. HODSON.

GRAZING.

HOMER E. FENN, Chief.

A. C. McCAIN, Assistant Chief.

PRODUCTS.

A. L. BROWER, Chief.

PROJECT.

Study of wood-using industries and market for forest products—**A. L. BROWER**, Ogden, Utah.

SUPPLY DEPOT.

A. M. SMITH, Property Clerk.

PROPERTY AUDIT.

J. G. FALCK, Property Auditor.

NATIONAL FORESTS.

ARIZONA.

Dixie—See Utah.

Kaibab—JOHN H. CLARK, Forest Supervisor, Kanab, Utah (WU-WF); DANIEL K. JUDD, Deputy Forest Supervisor.

IDAHO.

Boise—E. GRANDJEAN, Forest Supervisor, Boise (WU-P); WALTER A. HOPSON and D. C. A. GALARNEAU, Forest Assistants.
Cache—See Utah.
Caribou—N. E. SNELL, Forest Supervisor, Idaho Falls (WU-P).
Challis—DAVID LAING, Forest Supervisor, Challis (WU-P).
Idaho—HENRY A. BERGH, Forest Supervisor, Elo (WU-P).
Lemhi—C. I. HUDDLE, Forest Supervisor, Mackay (WU-P); JAMES L. PELTON, Deputy Forest Supervisor.
Minidoka—WM. MCCOY, Forest Supervisor, Oakley (WU-P).
Payette—GUY B. MAINS, Forest Supervisor, Emmett (WU-P); CARL B. ARENTSON, Deputy Forest Supervisor.
Pocatello—CLINTON G. SMITH, Forest Supervisor, Pocatello (WU-P); Pocatello Planting Station—P. T. WRENSTED, Forest Ranger.
Salmon—GEORGE G. BENTZ, Forest Supervisor, Salmon City (WU-P); JAS. M. RYAN, Deputy Forest Supervisor.
Sawtooth—C. N. WOODS, Forest Supervisor, Hailey (WU-P); H. G. MCPHETERS, Deputy Forest Supervisor.
Targhee—DAVID BARNETT, Forest Supervisor, St. Anthony (WU-P); FOSTER STEELE, Deputy Forest Supervisor.
Weiser—J. B. LAFFERTY, Forest Supervisor, Weiser (WU-P); W. M. CAMPBELL, Deputy Forest Supervisor.

NEVADA.

Humboldt—C. SYDNEY TREMEWAN, Forest Supervisor, Elko (WU-WF).
Moapa—HARRY E. MATHEWS, Acting Forest Supervisor, Las Vegas (WU-WF).
Nevada—R. F. MATHIAS, Acting Forest Supervisor, Ely (WU-WF).
Toiyabe—M. S. BENEDICT, Acting Forest Supervisor, Austin (WU, P-WF).

UTAH.

Ashley—W. M. ANDERSON, Forest Supervisor, Vernal (WU-WF).
Cache—W. W. CLARK, Forest Supervisor, Logan (WU-P); J. F. SQUIRES, Deputy Forest Supervisor; J. E. ROTHERY, Forest Assistant.
Dixie—JAMES E. JEWELL, Acting Forest Supervisor, St. George (WU-WF).
Fillmore—WM. HURST, Forest Supervisor, Beaver (WU-WF).
Fishlake—OLUF G. NIELSON, Acting Forest Supervisor, Salina (WU-WF).
La Sal—JOHN RIIS, Acting Forest Supervisor, Moab (WU-WF).
Manti—A. W. JENSEN, Forest Supervisor, Ephraim (WU-WF); ERNEST WINKLER, Deputy Forest Supervisor.
Minidoka—See Idaho.
Nebo—DAN S. PACK, Forest Supervisor, Payson (WU-WF).
Pocatello—See Idaho.
Powell—GEO. H. BARNEY, Forest Supervisor, Escalante (WU-WF).
Sevier—O. C. SNOW, Forest Supervisor, Panguitch (WU-WF); FRANK W. SEAMAN, Deputy Forest Supervisor.
Uinta—W. I. PACK, Forest Supervisor, Provo (WU-WF).
Wasatch—R. V. R. REYNOLDS, Acting Forest Supervisor, Salt Lake City (WU, P-WF, P); WILLIAM M. MCGHIE, Deputy Forest Supervisor; Wasatch Planting Station—N. J. FETHEROLF, Forest Planting Assistant.

WYOMING.

Ashley—See Utah.
Bonneville—FOSTER STEELE, Acting Forest Supervisor, Pinedale (WU-P); H. EARLE FRENCH, Forest Assistant.
Caribou—See Idaho.
Targhee—See Idaho.
Teton—R. E. MILLER, Forest Supervisor, Jackson (WU-P).
Wyoming—JOHN RAPHAEL, Forest Supervisor, Afton (WU-P).

DISTRICT 5.

California and southwestern Nevada.

Office, First National Bank Building, San Francisco, Cal.

**F. E. OLMSTED, District Forester,
COERT DUBOIS, Assistant District Forester.**

E. A. LANE, District Law Officer.

OPERATION.

**R. L. FROMME, Chief.
ROY HEADLEY, Assistant Chief.**

Organization, Chief and Assistant Chief of Operation.

Engineering, F. C. WALES.

Occupancy, R. F. HAMMATT.

Accounts, CLARENCE WILEY, District Fiscal Agent.

Maintenance, A. L. DAHL.

SILVICULTURE.

**G. M. HOMANS, Chief.
T. D. WOODBURY, Assistant Chief.**

Timber Sales, Chief and Assistant Chief of Silviculture.

Planting, G. W. PEAVY; C. A. KUPFER, Assistant.

PROJECTS.

Supervision of an improvement cutting on the San Miguel Eucalyptus, Monterey Pine, and Cypress plantation, in the city of San Francisco, in cooperation with the estate of Adolph Sutro—SWIFT BERRY.

Preliminary examination and preparation of a plan of management for a 12,000-acre redwood tract in Marin County, Cal., in cooperation with Mrs. E. Shafter Howard—SWIFT BERRY.

Silvics, T. R. COOPER.

GRAZING.

**JOHN H. HATTON, Chief.
M. B. ELLIOTT, Assistant Chief.**

PRODUCTS.

C. S. SMITH, Chief.

PROJECTS.

Tests of the strength of eucalyptus, redwood, and tanbark oak, in cooperation with the University of California, the Northwestern Redwood Company, and the California Redwood Association—G. R. GESSERT, Berkeley.

Study of wood-using industries and markets for forest products—J. V. WULFF, San Francisco.

Operation of an experimental wood-preserving plant, in cooperation with the Southern Pacific Company—C. S. SMITH, San Francisco.

Experiments to determine the best methods for seasoning eucalyptus globulous poles, in cooperation with the estate of Adolph Sutro and the Pacific Land Investment Company—J. V. WULFF, San Francisco.

NATIONAL FORESTS.**CALIFORNIA.**

Angeles—R. H. CHARLTON, Forest Supervisor, Los Angeles (WU, P-WF); ERNEST B. LONG, Deputy Forest Supervisor; Lytle Creek Planting Station—SEROPE Y. PARNAY, Forest Planting Assistant, San Bernardino

California—ERNEST BRITTEN, Forest Supervisor, Willows (P-WF); N. B. DREW, Deputy Supervisor.

Cleveland—H. A. E. MARSHALL, Forest Supervisor, San Diego (WU, P-WF); PERCY L. DAY, Deputy Forest Supervisor; F. L. RICKY, Planting Assistant.

Inyo—A. H. HOGUE, Forest Supervisor, Bishop (WU-WF); RAYMOND TYLER, Deputy Forest Supervisor.

Klamath—FRANK W. HARLEY, Acting Forest Supervisor, Yreka (P-WF); R. G. POND, Forest Assistant.

Lassen—L. A. H. KLING, Forest Supervisor, Red Bluff (P-WF); J. C. LA PLANT, Deputy Forest Supervisor.

Modoc—C. E. RACHFORD, Forest Supervisor, Alturas (P-WF); VERNON L. BONNER, Deputy Forest Supervisor.

Mono—See Nevada.

Monterey—N. O. TORSTENSEN, Forest Supervisor, Salinas (WU-WF).

Plumas—L. A. BARRETT, Forest Supervisor, Quincy (WU-WF); W. G. DURBIN, Deputy Forest Supervisor; J. R. HALL, Forest Assistant.

San Luis—E. S. MAINWARING, Forest Supervisor, San Luis Obispo (WU-WF).

Santa Barbara—WILLIS M. SLOSSON, Forest Supervisor, Santa Barbara (P-WF); H. G. MERRILL, Deputy Forest Supervisor.

Sequoia—E. A. SHERMAN, Forest Supervisor, Hot Springs (WU via Porterville-WF); W. C. BURTON, Deputy Forest Supervisor; W. M. MAULE, Forest Assistant.

Shasta—W. B. RIDER, Forest Supervisor, Sisson (P-WF); PHILIP T. HARRIS, Deputy Forest Supervisor.

Sierra—C. H. SHINN, Forest Supervisor, Northfork (WU via Fresno-WF); H. J. TOMPKINS, Forest Assistant; WM. G. HOWARD, Forest Assistant.

Stanislaus—R. W. AYRES, Forest Supervisor, Sonora (WU-WF); D. N. ROGERS, Forest Assistant.

Tahoe—R. L. BIGELOW, Forest Supervisor, Nevada City (WU-WF); M. B. PRATT, Forest Assistant.

Trinity—F. H. HAFLEY, Forest Supervisor, Weaverville (WU-WF); W. A. HUESTIS, Deputy Forest Supervisor.

NEVADA.

Inyo—See California.

Mono—J. C. WELLS, Forest Supervisor, Gardnerville (WU-WF).

Tahoe—See California.

DISTRICT 6.

Washington, Oregon, a small portion of northern California, and Alaska.
Office, Beck Building, Portland, Oreg.

E. T. ALLEN, District Forester.
GEO. H. CECIL, Assistant District Forester.

C. R. PIERCE, District Law Officer.

OPERATION.

C. H. FLORY, Chief.
C. J. BUCK, Assistant Chief.

Organization, Chief and Assistant Chief of Operation.
Engineering, W. E. HERRING.
Occupancy, W. F. STALEY.
Accounts, A. H. COUSINS, District Fiscal Agent.
Maintenance, SHIRLEY BUCK.

SILVICULTURE.

F. E. AMES, Chief.
C. S. JUDD, Assistant Chief.

Timber Sales, Chief and Assistant Chief of Silviculture.

PROJECTS.

Examination and report on proposed timber sale, Umpqua National Forest—W. T. ANDREWS, Lumberman, and DORR SKEELS, Forest Assistant, Roseburg, Oreg.

Supervision of timber sales and scaling, Washington National Forest—J. P. HUGHES, Lumberman, Bellingham, Wash.

Cooperation with Indian Office in supervision of cutting, Klamath Indian Reservation—T. F. KELSOE, Assistant Forest Ranger, Klamath Agency, Oreg.

Planting, J. F. KÜMMEL.

Silvics, T. T. MUNGER.

GRAZING.

HOWARD K. O'BRIEN, Chief.
T. P. MACKENZIE, Assistant Chief.

PRODUCTS.

J. B. KNAPP, Chief.
H. B. OAKLEAF, Assistant Chief.

PROJECTS.

Oregon—

Study of preservative processes used by commercial treating plants in Oregon and Washington—**H. B. OAKLEAF**, Portland.

Market studies of principal towns in Oregon and Washington—**J. B. KNAPP**, Portland.

Study of wood-using industries and markets for forest products—**J. B. KNAPP** and **C. B. COX**, Portland.

Study of wood-distilling methods in Oregon and Washington—**H. B. OAKLEAF** and **J. B. KNAPP**, Portland.

Selection of material for tests on fire-killed Douglas fir—**H. B. OAKLEAF** and **O. P. M. GOSS**, Portland.

Study of the rate of deterioration and uses of fire-killed timber—**C. B. COX**, Portland.

Washington—

Tests of Western hemlock and Western larch in cooperation with the University of Washington, the Pacific Coast Lumber Manufacturers' Association, and the Western Pine Manufacturers' Association—**O. P. M. GOSS**, assistant, **P. H. BUHL**, University Station, Seattle.

Preparation of exhibit for the Alaska-Yukon-Pacific Exposition—**O. P. M. GOSS**, Seattle.

NATIONAL FORESTS.

ALASKA.

Chugach—**W. A. LANGILLE**, Forest Supervisor, Ketchikan (SC, U. S. A., WU-AP); **HOWARD M. CONRAD**, Deputy Forest Supervisor; **LAGE WERNSTEDT**, Forest Assistant.

Tongass—**W. A. LANGILLE**, Forest Supervisor, Ketchikan (SC, U. S. A., WU-AP); **HOWARD M. CONRAD**, Deputy Forest Supervisor; **LAGE WERNSTEDT**, Forest Assistant.

CALIFORNIA.

Crater—See Oregon.

Siskiyou—See Oregon.

OREGON.

Cascade—**C. R. SEITZ**, Forest Supervisor, Eugene (WU, P-WF); **J. R. HARVEY**, Deputy Forest Supervisor; **E. B. STARR**, Forest Assistant.

Crater—**M. L. ERICKSON**, Forest Supervisor, Medford (WU, P-WF); **S. S. SWENNING**, Deputy Forest Supervisor; **H. D. FOSTER**, Forest Assistant.

Deschutes—**A. S. IRELAND**, Forest Supervisor, Prineville (PT, & T-WF, via Shaniko).

Fremont—**GUY M. INGRAM**, Forest Supervisor, Lakeview (WU via Klamath Falls-WF); **G. D. BROWN**, Deputy Forest Supervisor.

Malheur—**CY. J. BINGHAM**, Forest Supervisor, John Day (WU via Baker City-WF via Baker City).

Oregon—**T. H. SHERRARD**, Forest Supervisor, Portland (WU, P-WF, N, P); **RALPH S. SHELLEY**, Deputy Forest Supervisor.

Siskiyou—**M. J. ANDERSON**, Forest Supervisor, Grants Pass (WU, P-WF); **HUGH M. GUTHRIE**, Deputy Forest Supervisor; **H. HAEFNER**, Forest Assistant.

Siuslaw—**A. E. COHOON**, Forest Supervisor, Eugene (WU, P-WF).

Umatilla—**THOS. E. CHIDSEY**, Forest Supervisor, Heppner (WU-P).

Umpqua—**S. C. BARTRUM**, Forest Supervisor, Roseburg (WU, P-WF); **H. M. HALE**, Deputy Forest Supervisor.

Wallowa—**HARVEY W. HARRIS**, Acting Forest Supervisor, Wallowa (WU-P).

Wenaha—See Washington.

Whitman—**HENRY IRELAND**, Forest Supervisor, Sumpter (WU via Baker City-WF via Baker City).

WASHINGTON.

Chelan—GEORGE W. MILHAM, Forest Supervisor, Chelan (PT and T-GN via Wenatchee).
Columbia—H. O. STABLER, Forest Supervisor, Portland, Oreg. (WU, P-WF, N, P); ARTHUR R. WILCOX, Forest Assistant.
Colville—W. W. CRYDER, Forest Supervisor, Republic (WU, P-GN).
Olympic—FRED HANSON, Forest Supervisor, Olympia (WU-GN, N).
Rainier—G. F. ALLEN, Forest Supervisor, Orting (WU-N); F. B. KELLOGG, Forest Assistant.
Snoqualmie—B. P. KIRKLAND, Forest Supervisor, Seattle (WU, P-N, GN, WF); E. T. CLARK, Forest Assistant.
Washington—C. H. PARK, Acting Forest Supervisor, Bellingham (WU, P-GN, N).
Wenaha—J. M. SCHMITZ, Forest Supervisor, Walla Walla (WU-N, P).
Wenatchee—A. H. SYLVESTER, Forest Supervisor, Leavenworth (WU-GN); A. A. PARKER, Deputy Forest Supervisor; FRED W. CLEATOR, Forest Assistant.

SERVICE CHANGES IN MARCH.

APPOINTED.

Silviculture—

STATE AND PRIVATE COOPERATION: CLIFFORD R. PETTIS, Forest Expert.

District 1—

ORGANIZATION: Mrs. MARY E. HAY, Clerk, Absaroka National Forest; ALFRED GRIGG, Assistant Forest Ranger, Bitterroot National Forest; W. L. NOTTINGHAM, Assistant Forest Ranger, Bitterroot National Forest; RAYMOND L. WOESNER, Assistant Forest Ranger, Blackfeet National Forest; CLARENCE L. CHOPE, Assistant Forest Ranger, Blackfeet National Forest; FREDERICK A. CHADNEY, Assistant Forest Ranger, Blackfeet National Forest; ERNEST B. CLARK, Assistant Forest Ranger, Cabinet National Forest; EUGENE B. COURTENEY, Assistant Forest Ranger, Cabinet National Forest; IVAN R. MYERS, Assistant Forest Ranger, Cabinet National Forest; JOS. McGHEE, Assistant Forest Ranger, Clearwater National Forest; EDGAR E. WILLIAMS, Assistant Forest Ranger, Coeur d'Alene National Forest; FRANK H. SAYRE, Assistant Forest Ranger, Custer National Forest; OLIVER P. MCKINLEY, Assistant Forest Ranger, Custer National Forest; DONALD B. McGREGOR, Assistant Forest Ranger, Helena National Forest; EMILY JEFFREY, Clerk, Jefferson National Forest; ALFRED J. FEARY, Assistant Forest Ranger, Kaniksu National Forest; MORTIMER P. BURROWS, Assistant Forest Ranger, Lolo National Forest; R. S. NORRIS, Assistant Forest Ranger, Lolo National Forest; FRED C. BURKS, Assistant Forest Ranger, Missoula National Forest; CARROLL CULLEY, Assistant Forest Ranger, Nezperce National Forest; D. WM. ARRISON, Assistant Forest Ranger, Nezperce National Forest; J. E. HENSLEY, Guard (Hunter), Nezperce National Forest; JOSEPH E. LEHMAN, Assistant Forest Ranger, Shoshone National Forest.

District 3—

ORGANIZATION: CHAUNCEY A. YEOMANS, Assistant Forest Ranger, Tonto National Forest; BART L. HILBURN, Assistant Forest Ranger, Alamo National Forest; EDWARD A. LAMIRAND, Assistant Forest Ranger, Wichita National Forest; WILLIAM O. WHEATLEY, Assistant Forest Ranger, Apache National Forest; Acting Supervisor FRANK RUSH, Game Warden of the Wichita National Forest; JOHN B. WRIGHT, Assistant Forest Ranger, Crook National Forest; FORMAN G. HANNA, Forest Guard, Tonto National Forest; GEORGE F. BUCKLAR, Forest Guard, Coconino National Forest; F. B. JOHNSON, Forest Guard (Hunter), Coconino National Forest; GEORGE E. BUYER, Forest Guard, Datil National Forest; ROBERT S. BLATCHFORD, Assistant Forest Ranger, Datil National Forest; JOHN A. ADAMS, Forest Guard, Tonto National Forest; RAYMOND DOMINO, Forest Guard, Coconino National Forest; GEORGE M. NYCE, Forest Guard, Sitgreaves National Forest; DALLAS F. WELLS, Forest Guard, Tonto National Forest; GEORGE E. CRANMER, Forest Guard, Coconino National Forest; ROBERT J. COLTER, Assistant Forest Ranger, Apache National Forest; ROBERT MONROE, Forest Guard, Gila National Forest; Miss LULU T. WOODS, Forest Clerk, Sitgreaves National Forest.

District 6—

ORGANIZATION: RUSH J. HUSTON, Forest Guard, Wenatchee National Forest; OLIVER KLINGENSMITH, Forest Guard, Rainier National Forest; FRANK KINGSLY, Forest Guard, Rainier National Forest; ARCHIE O. KNOWLES, Assistant Forest Ranger, Cascade National Forest; E. G. MUIR, Forest Guard, Snoqualmie National Forest; W. F. PAUL, Forest Guard, Rainier National Forest; B. S. PATTEN, Forest Guard, Rainier National Forest; EARL PARK, Forest Guard, Wenaha National Forest; R. J. PHELPS, Assistant Forest Ranger, Whitman National Forest; O. W. PEARCE, Forest Guard, Columbia National Forest; W. ALLISON, Guard, Whitman National Forest; ELI BARNUM, Assistant Forest Ranger, Whitman National Forest; LYLE BLODGETT, Forest Guard, Tongass National Forest; C. T. BEACH, Assistant Forest Ranger, Cascade National Forest; MORTIMER J. BROWN, Forest Guard, Rainier National Forest; O. R. CHALKER, Forest Guard, Chelan National Forest; C. R. DAVIS, Assistant Forest Ranger, Umpqua National Forest; J. L. FURNISH, Assistant Forest Ranger, Cascade National Forest; H. S. FOLAND, Assistant Forest Ranger, Whitman National Forest; CHARLES FREUDENBURG, Forest Guard, Columbia National Forest; WILLIAM W. HAWLEY, Jr., Assistant Forest Ranger, Whitman National Forest; J. H. RUSSEL, Forest Guard, Wenaha National Forest; D. ROBINSON, Forest Guard, Colville National Forest; JAMES E. REAGAN, Assistant Forest Ranger, Wallowa National Forest; C. L. SPAUGH, Forest Guard, Wallowa National Forest; FRITZ SETHE, Forest Guard, Columbia National Forest; GUY P. SMITH, Assistant Forest Ranger, Washington National Forest; RALPH TAYLOR, Assistant Forest Ranger, Cascade National Forest; HAL. R. WILLIAMS, Forest Guard, Snoqualmie National Forest.

PROMOTED.**District 1—**

ORGANIZATION: E. R. BRUNKE, Deputy Forest Ranger to Deputy Forest Supervisor, Coeur d'Alene National Forest; J. D. WARNER, Forest Assistant to Deputy Forest Supervisor, Helena National Forest; J. F. PRESTON, Forest Assistant to Deputy Forest Supervisor, Bitterroot National Forest.

TRANSFERRED.**District 1—**

ORGANIZATION: JOHN S. BAIRD, Lumberman, from the Minnesota National Forest to the Superior National Forest.

District 3—

ORGANIZATION: SAMUEL LEMING, Clerk, District Office to Ozark National Forest.

District 4—

OCCUPANCY: C. S. BROTHERS, Uses Clerk to Special Agent, General Land Office.

District 5—

SILVICULTURE: F. L. RICKEY, Planting Assistant, from Angeles National Forest to Cleveland National Forest.

FURLoughed.**District 5—**

ORGANIZATION: T. R. COOPER, Forest Assistant.

RESTORED TO THE ROLLS WITH PAY.**Products—**

WOOD UTILIZATION: FREDERICK DUNLAP, Forest Assistant.

District 1—

ORGANIZATION: EARL B. TANNER, Deputy Forest Ranger, Bitterroot National Forest; JAS. H. HULL, Assistant Forest Ranger, Blackfeet National Forest; FRANK MAZRALL, Assistant Forest Ranger, Blackfeet National Forest; PEARL A. TAYLOR, Deputy Forest Ranger, Blackfeet National Forest; JAMES STUART, Deputy Forest Ranger, Clearwater National Forest; E. R. BRUNKE, Deputy Forest Ranger, Coeur d'Alene National Forest; JAMES W. STEEL, Deputy Forest Ranger, Deerlodge National Forest; SAMUEL T. BYARS, Assistant Forest Ranger, Kaniksu National Forest; FRANK H. KNOWLTON, Assistant Forest Ranger, Kaniksu National Forest; ARTHUR F. McDUFFIE, Assistant Forest Ranger, Sioux National Forest.

District 3—

ORGANIZATION: J. H. KINNEY, Forest Supervisor, Lincoln National Forest; DAVID L. WILLIAMS, Assistant Forest Ranger, Pecos National Forest.

District 6—

ORGANIZATION: ASHER IRELAND, Assistant Forest Ranger, Umpqua National Forest; LE ROY R. KERNS, Assistant Forest Ranger, Cascade National Forest; M. THURMAN CANNON, Assistant Forest Ranger, Cascade National Forest; G. C. COTTRELL, Assistant Forest Ranger, Cascade National Forest; R. N. GRIBBLE, Assistant Forest Ranger, Oregon National Forest; O. T. GREEN, Assistant Forest Ranger, Wenatchee National Forest; C. L. PEARSON, Deputy Forest Ranger, Malheur National Forest; DOCK F. SOUTH, Assistant Forest Ranger, Cascade National Forest.

REINSTATED.**District 1—**

ORGANIZATION: BAIGRIE SUTHERLAND, Assistant Forest Ranger, Flathead National Forest; FRANK HIGGINS, Forest Guard, Flathead National Forest.

SEPARATED.**District 1—**

ORGANIZATION: MARTIN SARGENT, Forest Guard (Hunter), Deerlodge National Forest.

District 3—

ORGANIZATION: BELVA L. MOORE, Temporary Forest Clerk, Ozark National Forest; BEATRICE JONES, Temporary Forest Clerk, Sitgreaves National Forest.

RESIGNED.**District 1—**

ORGANIZATION: ALBERT B. CLAFLIN, Deputy Forest Ranger, Kootenai National Forest; H. D. COOK, Assistant Forest Ranger, Custer National Forest; W. C. CLARKE, Forest Clerk, Pend Oreille National Forest.

District 3—

ORGANIZATION: W. F. WALLACE, Forest Ranger, Coconino National Forest; CHARLES H. BERRY, Deputy Forest Ranger, Carson National Forest; CHARLES M. BIRDNO, Assistant Forest Ranger, Crook National Forest.

District 4—

ORGANIZATION: ZEPH JONES, Forest Supervisor, Bonneville National Forest.
ENGINEERING: A. L. HERRING, Constructing Engineer.

District 6—

ORGANIZATION: R. W. SWEETLAND, Assistant Forest Ranger, Oregon National Forest.

SUSPENDED.**District 6—**

ENGINEERING: WILLIAM H. BENTON, Assistant Engineer.

DISMISSED.**Silviculture—**

FEDERAL COOPERATION: W. E. LA FOUNTAIN, Lumberman.

NOTE.—On page 227 of the April Field Program, under the heading "Furloughed," District 3, a notation was inadvertently made that Ross McMillan, Forest Supervisor, Jemez National Forest, was furloughed. Mr. McMillan was on leave of absence only.

With deep regret announcement is made of the death, on April 13, of J. O. La Fontisee, Expert, of the Office of Wood Utilization.

SERVICE NOTES FOR MAY.

These notes contain instructions and necessary information for Forest officers, and will, therefore, be carefully read and kept on file for reference.

OFFICE OF THE FORESTER.

LAW.

Claims: Cooperation with the General Land Office—

By letter dated April 14, 1909, the Secretary of the Interior amended paragraph 3 of his predecessor's letter, dated March 2, 1909. The paragraph as amended reads as follows:

In all cases where it is alleged rights of way amounting to easements over lands in National Forests are being used for purposes not authorized by statutes under which the same have been granted, or where construction and use is not commenced within the statutory period, investigation will be made upon report thereof to the Commissioner of the General Land Office for the purpose of ascertaining the correctness thereof and determining upon appropriate action.

District Foresters should, therefore, report to the Commissioner of the General Land Office any facts which come to their knowledge and which show such misuser or non-user of such rights of way. Copies of such reports should be sent to the Forester.

Legislation, Federal: Alaska Appeals—

Congress has provided that appeals, writs of error, and other cases from the Alaska district court for the circuit court of appeals for the ninth circuit shall be entered and heard at San Francisco, Portland, or Seattle, as the trial court shall determine, unless before the hearing the respective parties shall stipulate at which one of said places the hearing shall be held.

Approved, January 11, 1909. (Public No. 188.)

Legislation, Federal: Cordova Bay Land Grant—

Congress has authorized the sale of not more than 2,000 acres of nonmineral public land at the head of Cordova Bay, Alaska, at \$2.50 per acre, to the Cordova Bay Harbor Improvement and Town Site Company. Part of this land lies in the Chugach National Forest.

Approved, February 6, 1909. (Public No. 214.)

Legislation, Federal: Calaveras Bigtree National Forest—

Congress has authorized the Secretary of Agriculture to obtain title for the United States to certain lands in California containing the big trees scientifically known as Sequoia washingtoniana, such lands to form the Calaveras Bigtree National Forest.

Approved, February 18, 1909. (Public No. 237.)

Legislation, Federal: Valdez, Marshall Pass and Northern R. R.—

Congress has extended the time to March 2, 1915, for the completion of the Valdez, Marshall Pass and Northern Railroad to the Tanana River. The line of this road lies partly in the Chugach National Forest.

Approved, March 2, 1909. (Public No. 296.)

Legislation, Federal: Indian Appropriation Act—

In the Indian appropriation act Congress has authorized the Commissioner of Indian Affairs to investigate the condition of timber on Indian reservations, to advise the Indians as to the proper care of their forests, and to conduct such timber operations and sales as may be deemed advisable. The Menominee Reservation is excepted.

The Secretary of the Interior is empowered to reserve from entry or sale all lands in the Flathead Indian Reservation which are chiefly valuable for power or reservoir sites, and to refer such cases to Congress.

Approved, March 3, 1909. (Public No. 316.)

Legislation, Federal: Amendments to Penal Laws—

Congress has amended the penal laws of the United States with reference to deprivations of, "boxing," and setting fire to, the timber on public lands; failing to extinguish forest fires; breaking the fence or gate inclosing any reserved land, or driving live stock upon such land; and injuring or removing government survey marks, or interrupting surveys. It is provided that these amendments shall take effect January 1, 1910.

Approved, March 4, 1909. (Public No. 350.)

Claims Reports: Amendment to the Manual of Procedure—

The Manual of Procedure is hereby amended as follows:

Page 41, Claims.—Amend second paragraph so as to read: "Upon receipt of a report from the supervisor, upon the appropriate form, of facts which show that the claim is apparently held in good faith, that the laws under which the claim is asserted have been complied with, and that its erroneous passage to patent would not be prejudicial to the interests of the United States, a copy of the approved report, with notation to that effect, will be referred by stamp to the Chief of Field Division of the General Land Office. If the facts contained in the report show that the claimant has not complied with the laws under which his claim is held, or that its erroneous passage to patent would be prejudicial to the interests of the United States, an expert examination will be ordered, if necessary, and the Chief of Field Division notified. Such expert examination shall always be considered necessary as to every mining claim under such circumstances, and will always be made by a qualified mining man. If the expert's and supervisor's reports are sufficient and together indicate the validity of the claim, copies will be referred as above provided. If they indicate its invalidity, copies will be referred in like manner, with notation suggesting that the Chief of Field Division consider whether or not the claim is illegal."

Same page, Claims.—Amend third paragraph to read as follows: "If the Chief of Field Division decides that any one of the supposed grounds of invalidity is insufficient and the District Forester disagrees with such decision, the papers will be referred to the Law Officer in Washington to consider whether further action is desirable."

Same page, Claims, last paragraph.—At the end of the third line above the caption "Settlement," change the word "recommendation" to "action."

Timber Trespass: Indictments—

The United States grand jury for the district of Oregon has returned indictments as follows: U. S. v. Tolle A. Spray, February 27, 1909, wilfully and maliciously setting out fires and destroying timber in sec. 8, T. 8 S., R. 26 E., Umatilla National Forest, on August 31, 1908.

U. S. v. Charles Page, March 13, 1908, wilfully and maliciously setting out fires and destroying timber in sec. 26, T. 33 S., R. 9 W., in the Siskiyou National Forest, on August 25, 1908.

Regulations: Use Book Revision—

Upon recommendation, the Secretary of Agriculture has approved the following regulation, similar to Regulation 30 of The Use Book of 1906, to take effect immediately:

When the destruction or use of National Forest products or resources will result in benefit to the Government through actual protection or improvement of a National Forest, the Forester may, without charge, allow such destruction or use even to parties not otherwise entitled to a regular free use permit.

Act of June 11: Effect of Listing by Secretary—

When lands are opened to entry under the act of June 11, 1906, and are not entered, they are thereafter subject to entry under that act at any time. With this exception the status of such lands is unchanged, and they are subject to the laws governing the National Forests. The exterior boundaries of a Forest are not changed by the listing of lands upon the edge of the Forest.

OPERATION.

Form 964 not Necessary where Examination has been Made—

Since the report on Form 110, submitted in connection with June 11, 1906, applications, gives the information needed to pass upon the correctness of the permit issued in such cases, it will not be necessary to accompany the permit by a report on Form 964, as has been the practice heretofore, where the land has been examined and a report on Form 110 submitted. The supervisor, in transmitting the permit, should attach a letter-size sheet of paper calling attention to report 110 and giving the case designation, so that the papers may be readily located.

Requisitions for Films and Maps—

Supervisors and District officers should see to it that requisitions are not made upon the Property Clerk at Ogden for photographic films, photographic work, and maps. Requisitions for this class of work should be sent to the Forester and should be made very specific to avoid misunderstandings.

Form 98 for Report on Cooperative Work—

All members of the Service engaged on cooperative work are urged to be particularly careful in reporting, on Form 98, the projects against which their salary and expenses are to be charged, and in indicating the contributor, if payable from cooperative funds. This report is frequently the only guide to payment from the proper funds. It assists materially in keeping the necessary record when by agreement the expenses are divided between Service and contributed funds. A revision of Form 98 and of Service cost keeping is under consideration. It is evident that some comprehensive plan of cost keeping is essential to successful and economical administration under the present organization. Until the new plan is inaugurated, however, the use of the old Form 98 will be continued by men on any kind of cooperative work.

Information as to Second Entries—

To correct any possible misunderstanding of the instructions on page 42 of The Use Book, Forest officers are informed that a second entry can not be made under the act of February 8, 1908, unless the first entry was lost, forfeited, or abandoned prior to the date of the enactment of that law.

Reports on Agricultural Homesteads—

Reports on agricultural homesteads (Form 110) should not be submitted to the District Forester in duplicate. A single copy is sufficient under the present organization.

Too Liberal Use of the Telephone—

It is felt that some supervisors and rangers use the telephone excessively, both in the number of their calls and the length of their conversations. The telephone should never be used when a letter will answer the purpose. Forest officers should not neglect to make a memorandum of telephone conversations, as instructed on pages 185 and 186 of The Use Book.

Envelopes Addressed to District Foresters—

Standard size envelopes addressed to District Foresters may now be secured upon requisition. Supervisors having envelopes addressed to the Forester, Washington, D. C., should return such to the Supply Depot, Ogden, Utah.

Keeping Rangers' Records in Proper Shape—

Considerable confusion has arisen when rangers were transferred from one District to another, or resigned from the Service, by reason of the records of the District not being in such shape that the succeeding officer could inform himself fully of conditions therein. All records and notes of District business should be considered as official, and rangers should keep them in such shape that they can be turned over to a successor as a part of the regular official records of the District.

Suggestions as to Keeping Memoranda—

It is frequently found by men from District offices going into the field that there are matters not satisfactorily understood from correspondence which supervisors desire to take up with members of the office in person. It is suggested that super-

visors make notes of such matters and keep them in the form of promise cards, so they can be readily called to mind. Rangers should make notes in the same way. A record of matters to be taken up with rangers should also be kept in supervisors' offices.

Newspapers Recommended for Official Advertising—

The attention of supervisors is called to the necessity of making their recommendations for advertising in the newspapers in their respective districts, in accordance with instructions in the Manual of Procedure, page 36. Great care should be exercised to give the exact names of the papers in which advertisements are to be placed. The District Foresters in each District should be notified promptly of any modifications in the names of papers which occur after authorizations have been issued, in order that the Secretary of Agriculture may be requested to amend the original letter of authorization.

Necessity of Making Maps, Diagrams, etc., of Standard Size—

The new map-filing cases which have just been installed in the District offices are fitted to receive drawings and plats of the following sizes:

Length.	Width.	Length.	Width.
48"	36", 24", 12".	21"	18" (Atlas).
36"	30", 24", 18", 12".	18"	12".
30"	24", 18", 12".	12"	12", 9".
24"	18", 12".	10½"	8".

No other sizes should be used, and preference should be given to the standard atlas size, which is 18 by 21 inches. No departure should ever be made from this standard when the map, diagram, drawing, or table is to be placed in the atlas.

Payment of Laborers on Form 143—

Attention is called to section 19 of the Green Book. Time will be saved in preparing accounts if supervisors will use Form 143, instead of Form A, in certifying to services of temporary laborers.

Cooperation in Surveys of Mineral Claims—

Since in future surveys of mining claims within National Forests the Surveyor-General will inform the District Foresters of the name and address of the mineral surveyor, name of the claimant, and approximate location of the claim with its name and survey number, Forest officers on receipt of this notice should arrange, if possible, to be present when the survey is made so that there can be no mistake as to boundaries or the expenditure and development work to which the Surveyor will certify.

Important Instructions in Carbons of Letters—

Carbons of letters sent to individuals, which indicate action to be taken by particular members of the Service, are often transmitted to the member who is to take the action instead of sending him a separate letter of instruction. Members of the District offices and supervisors should consequently see to it that the contents of the carbons of any letters received are carefully noted, since they may contain important instructions.

Amendment of Instructions in The Use Book—

The instructions in fine print on page 62 of The Use Book are amended as follows:

Notice of the receipt by the District Forester of each application under the act of June 11, 1906, will be given the supervisor of the Forest concerned by sending to him a township plat showing the description of the land applied for and a copy of the District Forester's letter to the applicant acknowledging receipt of his application. The District Forester will, at the time of acknowledging receipt of each application, inform the applicant that if he is satisfied as to the agricultural character of the land applied for, and wishes to begin cultivation and occupation of it at once, application should be made to the supervisor in charge of the Forest for a free special use permit. Upon receipt of such request, the

supervisor should issue a free special-use permit to the applicant if he appears to have the preference right of entry and the land is considered by the supervisor to be chiefly valuable for agriculture, and is not adversely claimed under settlement as above defined.

There should be inserted in each permit the appropriate one of the following paragraphs, depending upon whether the permit is issued before or after an examination of the land has been made:

"In the examination of the land under the act of June 11, 1906, to determine its agricultural character, this permit shall not be considered; neither shall it be construed to give the permittee any preference right of entry under that act. This permit shall terminate when entry of the land is made under the act; but if it is shown that the permittee has not the preference right of entry, the listing of the land for opening to entry will be deferred to protect growing crops."

"This permit shall not be construed to give the permittee any preference right of entry under the act of June 11, 1906, and shall terminate when entry of the land is made under that act."

SILVICULTURE.

Free Use of Timber by Small Miners—

In granting free use permits Forest officers should make every effort to provide, without unfairness to other interests entitled to consideration and without injury to the Forest, that no prospector or miner working for the preliminary development or exploration of his claim shall be denied the free use of timber needed for these purposes if there is not upon the claim a sufficient amount of timber for such uses. Care should also be taken to avoid the marking, for use under a free use permit, of any timber which can not be used by a prospector, or miner, or any other small user, to whom a free use permit is issued. Large users of special material who operate or can operate sawmills may properly be required to take with such special material other merchantable timber which it is necessary to remove for the future productivity of the Forest, or to avoid rendering the remaining timber on the area unmerchantable. Very few cases will arise which will make the enforcement of this restriction necessary as to free use permittees.

Disposition of Copies of Form 861—

There is a conflict between the Manual, page 62, "Class A and Unadvertised Class B Sales," and the instructions on the back of the last edition of Form 861. Hereafter, in conformity with the idea expressed in the Manual, a Forest officer who has been authorized by his supervisor to make Class A sales will send to the supervisor two copies of Form 861 for each one issued. The supervisor will at once initial and forward one copy to the District Forester and place the other copy in his file. The ranger should keep a fourth copy for his own records.

Supervisors' Libraries—

Supervisors' libraries will continue to be handled by the Washington office, as before the reorganization. Whenever a supervisor desires to secure a book for his library, he should make a requisition for it on the Washington office. This should first be sent to the District Forester, who will either approve or disapprove it, and then forward it to Washington. Thereafter the matter will be handled by the Washington office, which will correspond directly with the supervisor in regard to the matter. Copies of such correspondence will be sent to the District Forester for his information. In case the Washington office does not agree with the District Forester's recommendations, the matter will be taken up directly with the District Forester and not with the supervisor, and continued until some agreement has been reached.

Hereafter to be Designated as Nurseries—

In accordance with the filing system used in the District offices, the term "Planting Station" should be changed to the term "Nursery"; for example, "Halsey Planting Station" should hereafter be designated as "Halsey Nursery."

Form for Extension of Time—

The form of application for extension of time, given on page 16 of the Field Program for December, 1907, is amended as follows: In the second paragraph the words "removed from the National Forest" should be canceled and the word "cut" inserted

in their place; so that this portion of the paragraph will read, "to pay for all timber not cut during the time specified in said contract at the rate of," etc. Except in very unusual cases, it is the intention to charge an increased rate for only that timber still uncut, and not for any timber which the purchaser has cut but has not removed from the Forest.

Keeping Track of Expiration of Sales—

The attention of supervisors is called to the fact that in Class A and unadvertised Class B sales, as well as in all other sales, the closing date should be kept on a promise card, so that when the time expires the closing of the sale or the extension of the time, as the case may be, shall be initiated by the supervisor. Attention to this will materially reduce the amount of routine correspondence between the District offices and supervisors.

GRAZING.

Numbering Amended and Supplemental Permits—

In order that the same stock may not be counted twice against the Secretary's authorization or in the semiannual reports, a change has been made in the instructions of the December (1908) Field Program. Hereafter all amended permits correcting errors, allowing an extension of the grazing period, or for stock retained after permit for a portion of the stock has been issued to a purchaser, will be given the same serial number as the original, omitting the addition of the letters a, b, etc. The necessary correction for an amended permit will be made on the original card; but when a supplemental permit is issued bearing the same serial number as the original with the addition of the letters a, b, etc., a new card will be written for the additional number of stock.

Acreage to be Shown in Regulation 65 Permits—

A number of permits are being received under Regulation 65 which do not show acreage. It is especially important that the acreage be given in all permits issued under this regulation, both where no waiver is made and where the stock is confined to the private lands. The information is necessary for use in the annual grazing reports to the Forester.

Applications of New Beginners—

The applications of new beginners may be approved for the full protective limit, when such action does not necessitate a reduction in the number of stock allowed other users; but when the range is fully occupied applications of new beginners should not be approved for more than one-half the protective limit number. The total number of stock allowed all new beginners in any one year must not exceed 3 per cent of the total allowance. The permits allowed all new beginners must not in any case cause an annual reduction of more than 10 per cent on the permit of any old user.

When the average number of stock grazed under each permit is less than the protective limit, the applications of new beginners should not be approved for more than one-fourth the protective limit, and only with the understanding that the stock will be run in connection with cultivated lands and fed during the winter. When the average number of stock grazed under each permit is 20 per cent below the protective limit, no applications from new beginners will be approved, unless the conditions warrant a reduction of the protective limit.

Applicants will be classified in accordance with the total number of stock owned, instead of the number for which permit is desired. The number which an applicant is allowed to graze will be determined upon the merits of each case. The applications of new beginners who are in Class "B" may be approved for the number of stock allowed other new beginners, when the circumstances justify it.

Restrictions in Issuance of Crossing Permits—

Crossing permits will not be issued allowing stock to cross a National Forest prior to the opening of the grazing season for the class of stock concerned, except when the stock is to be confined to a regularly established driveway.

Inclusive dates between which the crossing privilege may be exercised should be included in the permit, which should be made effective for a period sufficient to provide against unavoidable delay in its use.

Permits under Regulation 66, allowing stock to cross a National Forest from one point to another outside its limits, or permits under Regulation 65, allowing stock to

reach private lands within the limits of a National Forest, may be issued either to the owner or the person in charge of the stock; but permits allowing stock to be grazed upon a National Forest, in exchange for the use of private lands, will be issued only to the owner of the stock. No permits will be required for stock which is to be driven along a public highway.

Renewal of Permits to Purchasers of Stock—

In case a permittee shall sell the stock, which is being grazed under permit, to a purchaser who wishes to continue grazing it on the National Forest, upon presentation to the supervisor of evidence that the sale is bona fide, the permit will be canceled and a new permit will be issued to the purchaser, without cost, for the remainder of the grazing period allowed in the original permit. The issuance of a permit under these circumstances does not carry with it any guaranty that a renewal will be allowed for the number of stock the original permittee might have been entitled to graze. It is granted with the understanding that in subsequent permit allotments the purchaser will be considered solely upon the merits of his case.

The purchase of stock by a person not otherwise entitled to consideration will not entitle the purchaser to share in the grazing privileges during the following year; but when the purchaser is a resident ranch owner a renewal of the permit may be allowed for not to exceed 80 per cent of the number of stock covered by the original permit. When both the stock and the ranches used in connection with it are purchased, an equitable share of the grazing may be allowed the new owner after such sliding-scale reduction has been made as would have been required of the original permittee. The purchase of stock from an owner who has used the range less than three years will not entitle the purchaser to any preference in renewal of the permit.

The preference given on account of prior use of the range is a personal privilege and is not transferable. In all cases where the renewal of a permit is allowed on account of the purchase of stock, a waiver to the United States of all claims to a renewal of the permit for the number of stock sold should be signed by the original permittee and filed with the supervisor.

All grazing permits issued on account of the purchase of stock will be subject to the maximum limit restrictions, after the expiration of the ensuing permit period. No person, partnership, or corporation will be allowed a renewal of permit for stock purchased on a number in excess of the maximum limit established by the District Forester.

Sliding-Scale Reductions—

Hereafter all sliding-scale reductions will be based upon the number of stock grazed under permit during the previous year. The full reduction will be made on the permits of all applicants who either do not own improved ranch property or are nonresident ranch owners and winter their stock upon the open range. Resident ranch owners who winter their stock upon the adjoining open range, regular users who purchase winter feed for their stock from resident ranch owners, and nonresident ranch owners whose stock is fed during the winter upon the products of their lands need only be reduced 75 per cent of the regular sliding scale. Persons owning and residing upon improved ranches, who feed their stock during the winter upon the products of their lands, need only be reduced 50 per cent of the regular sliding scale.

SERVICE ORDER.

SERVICE ORDER 27.

Property Custody and Accountability.

[Supersedes sections 141 to 170, inclusive, of the Green Book, and Service Orders 15 and 25.]

APRIL 1, 1909.

The Green Book, sections 141 to 170, inclusive, is hereby amended by substituting sections 141 to 154, inclusive, as follows:

Sec. 141. Responsibility.—Each member of the Service who receives nonexpendable property will be required to receipt for it and will assume responsibility for its proper care and protection. A member will be relieved of responsibility by a transfer or by an approved certificate of condemnation or loss, and will reimburse the United States for the value of any property for which he is responsible and for which he has not accounted.

Sec. 142. Record.—A record will be kept by the Property Auditor of all the nonexpendable property of the Forest Service. This record will be supported by receipts signed by the members of the Service having custody of the property.

Sec. 143. Requisitions.—Supplies and equipment may be procured upon requisition on the Property Clerk. (See Form 258, Index of Standard Forms, and Form 261, List of Standard Articles of Equipment and Supplies.)

Requisitions must be made in duplicate on Form 668. One copy will be sent to the Property Clerk without a letter of transmittal, unless an explanation is necessary.

On March 1 and September 1 of each year supervisors, Chiefs of Maintenance, and men in charge of field stations will make requisitions for the equipment, stationery, office supplies, and printed forms required by their respective offices for the ensuing six months. Each sheet will be marked "Semiannual requisition." Requisitions for maps and photographic or drafting work required in the districts should be made to the District Forester.

Sec. 144. Shortage or Delay.—Shipments will be carefully examined and compared with Form 939, and the consignor immediately informed of any discrepancies. Delays will be promptly reported.

Sec. 145. Methods of Shipment.—Supplies will be sent by mail under frank when practicable. Large shipments will be

made on Department bills of lading, by freight, but may be made by express when necessary. The headquarters of some supervisors are located in towns remote from the railroad, but reached by stage lines with which express companies have no connection. Shipments to these points will be prepaid only to the nearest or most convenient station. When this is done, notation of the fact will be made on Form 939 and on the package. In such cases the stage charges only should be paid by the consignee, for which a receipt showing rate and weight must be taken and submitted in the monthly reimbursement account. When the payment of charges is demanded on shipments marked "Prepaid in full to destination," supervisors, before making payment, should request definite information from the consignor.

Sec. 146. Property Procured by Purchase.—A member (not a purchasing agent) making a purchase of nonexpendable property under a letter of authorization will prepare and sign as a receipt two copies of Form 939. He will send one copy, with the voucher covering the purchase, to the District Fiscal Agent and send the other copy to the Property Auditor. This is required whether the settlement is on Form 4 or Form A voucher. The Property Auditor, upon receiving the copy from the District Fiscal Agent, will indorse upon the copy received from the member making the purchase a certificate that the articles have been charged, and return it to the member. Reimbursement vouchers, Form 4, containing non-expendable property will not be paid unless accompanied by Form 939.

A list of expendable articles will be furnished by the Property Auditor.

A purchasing agent making a purchase of nonexpendable property under a letter of authorization will prepare, by carbon duplication, two copies of purchase order, Form 942, and two copies of Form 939. He will keep one copy of the Form 942, sign and send the other copy to the dealer, with a properly prepared Form A voucher, to be signed by the dealer and returned to him. When necessary, he will send the dealer a Department bill of lading with the order and voucher. He will initial the Form A voucher returned by the dealer and send it to the member to whom the property is to be charged. At the same time the order is sent to the dealer, the Purchasing Agent will send one copy of the Form 939 to the member, and the other copy to the Property Auditor.

The member, upon receipt of the property, will enter in the spaces provided on the copy of the Form 939 received from the Purchasing Agent, the condition of the property and the date of its receipt. He will sign the Form 939 as a receipt and the Form A voucher and send them to the District Fiscal Agent.

When the voucher is paid the District Fiscal Agent will enter the number of the paid voucher on the Form 939 and send it to the Property Auditor.

The Property Auditor will charge the member on his records, and send him the copy of the Form 939 received from the Purchasing Agent with a certificate indorsed thereon that the property has been charged to him.

Sec. 147. Property Procured by Transfer.—A Property Clerk transferring expendable property to a Chief of Maintenance or a supervisor will prepare and sign two copies of Form 939. He will keep one copy and send the other to the Chief of Maintenance or the supervisor, to whom the property is transferred.

Transfers of nonexpendable property between members of the Service, except as provided in section 148, will be made in accordance with the following procedure:

When nonexpendable property is issued by the Property Clerk to a supervisor, three copies of Form 939 will be prepared and signed by the Property Clerk as invoices. He will send two copies to the Property Auditor and the third to the supervisor.

The supervisor, upon receipt of the property, will enter in the spaces provided on the Form 939 received from the Property Clerk, the condition of the property and the date of receipt, will sign it as a receipt, and send it to the Property Auditor.

The Property Auditor, upon receiving the Form 939 from the supervisor, will credit the Property Clerk and charge the supervisor with the property transferred. He will indorse upon the two corresponding forms 939 received from the Property Clerk, a certificate of the transfer, and send one to the Property Clerk and the other to the supervisor.

The Property Clerk retains responsibility for the property transferred until the supervisor's receipt is received by the Property Auditor.

When nonexpendable property is received in the absence of the supervisor, the Form 939 will be signed by the acting supervisor in the following form:

*"JOHN JONES, Supervisor.
By WILLIAM SMITH, Acting Supervisor."*

This procedure will be followed by other members in charge of executive offices or field stations.

Form 939 for property transferred to a member as an individual, and not as an officer in charge, must be signed by him.

When nonexpendable property is furnished for temporary use by a custodian to another member a receipt will be taken, but the transaction will not be reported to the Property Auditor.

Sec. 148. Property Accounting on the National Forests.—Supervisor's Record.—The supervisor will keep two card records on Form 331. One record will be designated "Forest Accountability," and in it will be recorded all the nonexpendable articles for which the supervisor is accountable. The cards will be filed alphabetically by names of articles.

The other record will be designated "Individual Accountability," and in it will be kept an individual record of all nonexpendable articles issued to subordinates and of those kept on hand by the supervisor for distribution. The cards will be filed alphabetically under the name of the individual.

The aggregate number of articles in each class in the Individual Accountability record must equal the number of articles on the card for the corresponding class in the Forest Accountability record.

Each transaction which affects the sum total of property on a Forest, whether by purchase, transfer, or certificate of loss or sale, will be immediately entered in the Forest Accountability record.

Transactions which do not affect the sum total, such as a transfer between a supervisor and a ranger, or between rangers, will be recorded in the Individual Accountability record. The date of each transaction affecting Forest Accountability, but no voucher number, will be entered on the card record (Form 331).

When property is issued by a supervisor to a subordinate the supervisor will prepare and sign two copies of notebook Form 874-16 and send them to the subordinate to whom the property is issued. The subordinate will, upon receipt of the articles, sign both copies, return one to the supervisor and keep the other.

When property is transferred by one ranger to another, the one making the transfer will prepare and sign three copies of the notebook Form 874-16 and send one of them to the ranger to whom the property is transferred and send the other two copies to the supervisor. The ranger to whom the property is transferred will, upon its receipt, sign the Form 874-16 and send it to the supervisor. Upon receiving the Form 874-16 signed by both rangers, the supervisor will sign the two copies received from the ranger making the transfer and send one of them to each of the rangers concerned.

When property is issued by rangers to other employees, for temporary use, a receipt will be taken on Form 874-16, but the transaction will not be reported to the supervisor.

The same procedure will be followed when nonexpendable property is furnished for temporary use by other custodians to other members of the Service.

Ranger's Property Return.—Periodically the supervisor will require each ranger to submit in duplicate on Form 874-16 a list of the property for which he is accountable to the supervisor. As soon as the correctness of the list is established both copies will be signed by the supervisor, who will keep one and return the other to the ranger, when all previous Forms 874-16 can be destroyed.

Sec. 149. Loss and Abandonment.—Property lost will be reported to the District Forester on Form 858 in duplicate, when the member charged with it is satisfied that it can not be recovered. When property for which the supervisor is accountable is lost by any other member the certificate will be signed by the member.

The occurrence must be explained in sufficient detail to show beyond reasonable doubt that the loss was not due to fault or negligence, and that every effort toward recovery was made. After the certificate is approved by the supervisor both copies will be sent to the District Forester.

The District Forester will either relieve the member from, or charge him with, responsibility for the loss, and will send both copies of the Form 858 to the Property Auditor.

When the member is relieved from responsibility for the loss, the Property Auditor will credit him and will indorse on one of the Forms 858, received from the District Forester, a certificate that the member has been credited, and send the form to the member.

When the member is charged with responsibility for the loss of property, the Property Auditor will enter upon the Form 858 the cost value of the property. He will prepare a letter of transmittal (Form 861) to the proper depository and send one copy of the Form 858 and the Form 861 to the member, who will remit the value of the property to the designated depository.

Upon receipt from the District Fiscal Agent of the certificate of deposit (Form 26) in duplicate, the Property Auditor will credit the member and send him one copy of the Form 26 with an indorsement thereon that he has been credited.

Report of lost property will not be made on the same Form 858 with report of unserviceable property.

Worn and damaged property and inexpensive camp equipment in possession of field parties may be abandoned in the field, when it is impracticable to return it for condemnation as prescribed in section 150. An explicit statement of the date, cause, and location of an abandonment must be forwarded immediately to the District Forester on Form 858 in duplicate. The action to be taken will then follow the procedure when property has been lost.

Sec. 150. Unserviceable Property.—Nonexpendable property worn out or damaged beyond repair, which has no sale value, will be retained until it can be inspected and condemned by an authorized inspector. A certificate will be prepared and signed by the supervisor on Form 858, in duplicate, to which the inspector will certify that the property has been inspected, condemned, and destroyed. Both copies of the certificate (Form 858) will be submitted for approval to the District Forester. The copies will then be sent to the Property Auditor, who will credit the member and inform him of the action taken by stamped notation on one copy of the certificate.

Nonexpendable property which is worn out or damaged beyond repair, or which is of no further use to the Service, but which has a sale value, will be retained until it can be inspected, condemned, and its sale authorized. Property must not be sold except by written authority (Form 217) of the Forester, a General Inspector, a District Forester, an Assistant District Forester, or a Chief or

Assistant Chief of Office. A certificate of condemnation and sale will be prepared by the supervisor on Form 217, in duplicate. The sale of the property will be advertised by notifying interested parties by letter and by posting notices (Form 259) in post-offices, telegraph offices, and other public places. No expense will be allowed for advertising, except when the value of the property to be sold clearly justifies it, and then only by written authority of the Secretary of Agriculture. When the property is sold, the member to whom the authority was granted will pay all necessary expenses, such as auctioneer's fees, drayage, and purchase of money order, and will remit the net proceeds by postal money order to the District depository, accompanied by a letter of transmittal (Form 861). He will send both copies of the Form 217 to the District Forester. When the sale is approved by the District Forester he will send both copies of the Form 217 to the Property Auditor who, upon receiving the District Fiscal Agent's Certificate of Deposit (Form 26) in duplicate, will credit the member, and inform him of the action taken by stamped notation on one copy of the Form 217, to which he will attach one copy of the Form 26.

Sec. 151. Annual Property Return.—Annually on January 1 a property return will be prepared on Form 330, in duplicate, by every custodian. On this return will be entered the articles on hand as shown on the last return, the articles received by transfer or purchase since the last return, the articles disposed of by transfer, by certificate of loss, or of sale, and the balance on hand on the date of the return. Both copies will be signed and sent to the Property Auditor. As soon as the correctness of the return is established both copies will be signed by the Property Auditor, who will keep one and return the other to the custodian.

Sec. 152. Property Inspection.—Periodically an inspection will be made of the property in the hands of custodians. When the inspection is made the custodian will prepare and submit to the officer making the inspection a property return (Form 330) in duplicate, in the manner prescribed in section 151. The inspector will then check the property on hand against the return. If the property on hand agrees with the return, he will certify to the fact on the return and send both copies to the Property Auditor. If any discrepancies are found the inspector will make no changes in the return, but will send it to the Property Auditor, with a letter stating the discrepancies. The inspector will also submit to the District Forester a report on the condition and sufficiency of the equipment and supplies on hand.

Sec. 153. Storage.—Property charged to members of field parties, which is no longer needed and which can not be advantageously returned to the Property Clerk, will be placed in the care of the most accessible Forest Officer, and a memorandum receipt taken on Form 874-16. When this is not practicable the property may be placed in storage, but a letter of authorization

will be obtained from the District Forester to cover the expense. Storage fees may be paid by the member charged with the property and the receipt of the storage company submitted in his reimbursement account, or on Form A voucher for payment by the District Fiscal Agent directly to the storage company. Property placed in the care of another member of the Service, or in storage, remains charged to the member until its final disposition by transfer. (Form 939.)

Sec. 154. Final Settlement.—Final payment for salary or reimbursement will not be made to members severing their connection with the Service who have been in any way responsible for public property until evidence shall have been furnished that it has been properly accounted for. The executive officer in charge will be held responsible for notifying the District Fiscal Agent when vouchers cover final payment to a member leaving the Service.

Wm. L. HALL,
Acting Forester.

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United States Department of Agriculture, FOREST SERVICE.

GIFFORD PINCHOT, Forester.

FIELD PROGRAM FOR JUNE, 1909.

This program of field work and assignments in the Forest Service is issued on the first day of each month, and is for the exclusive use of members of the Service and cooperating bureaus. The names of members whose assignments are not yet fixed and reference to projects for which plans have not been matured are necessarily omitted. All orders and other instructions printed in the Field Program will apply to all Districts.

It is requested that the members of the Forest Service cooperate in making this program complete and accurate.

Unless the address of a member is given in this program or is definitely known, he should be addressed in care of the Forest Service, Washington, D. C.

OFFICE OF THE FORESTER.

GIFFORD PINCHOT, Forester.

OVERTON W. PRICE, Associate Forester.

HARRY L. HILL, Secretary to the Forester.

P. P. WELLS, Law Officer.

A. C. SHAW, Assistant Law Officer.

HERBERT A. SMITH, Editor.

RAYMOND W. PULLMAN, in charge of Information.

GEORGE B. SUDWORTH, Dendrologist.

R. S. KELLOGG, Assistant Forester, engaged upon Forest statistics.

EUGENE S. BRUCE, Expert Lumberman.

D. D. BRONSON, } General Inspectors.

R. E. BENEDICT, }

E. M. GRIFFITH, Special Inspector for Indian Reservations in Wisconsin, Madison, Wis.

OPERATION.

JAMES B. ADAMS, Assistant Forester, in Charge.

CHAS. S. CHAPMAN, Assistant Forester.

H. B. CRAMER, Fiscal Agent.

GEORGE G. ANDERSON, Assistant in Office Methods.

OCCUPANCY.

M. J. McVEAN, Chief.

ACCOUNTS.

W. R. FUCHS, District Fiscal Agent.

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WILLIAM T. COX, Assistant Forester, in Charge.

E. E. CARTER, Assistant Forester.

FEDERAL COOPERATION.

A. B. PATTERSON, Chief (in the Field).

H. IRION, Assistant.

PROJECTS.

Wisconsin—

Lumbering operations on the Menominee Indian Reservation—**E. A. BRANIFF, Neopit.**

Inspection of logging on the Bad River and other Indian Reservations in northern Wisconsin—**T. F. YOUNG, MARK BURNS, W. R. MCKINNON, and W. H. FARR, Ashland.**

STATE AND PRIVATE COOPERATION.

J. G. PETERS, Chief.

PROJECTS.

Alabama—

Preparation of a working plan report for the Tennessee Coal, Iron, and Railroad Company—**E. D. CLARK and G. T. BACKUS, Washington, D. C.**

Eastern States—

General inspection of experiments in nursery and planting work, in cooperation with different States—**E. O. SIECKE, Washington, D. C.**

Timberland examinations, in cooperation with private owners—**W. H. VON BAYER, W. B. WILLEY, W. BRADFIELD, and A. E. OMAN, Washington, D. C.**

Illinois and Wisconsin—

Timberland examinations, in cooperation with private owners—**R. C. HALL, Chicago, Ill.**

Southern States—

Timberland examinations, in cooperation with private owners—**W. W. ASHE and J. H. FOSTER, Washington, D. C.**

SILVICS.

RAPHAEL ZON, Chief.

PROJECTS.

General—

Seed testing and seed storage—**N. H. GRUBB, Washington, D. C.**

Northeastern States—

Study of northern hardwoods—**E. H. FROTHINGHAM, Washington, D. C.**

Western States—

Location of insect-infested timber in the National Forests, with practical application of methods of insect control—**W. D. EDMONSTON** (detailed to the Bureau of Entomology under instructions from Dr. A. D. Hopkins, in charge of forest-insect investigations), Colorado Springs, Colo.

Library, Miss H. E. STOCKBRIDGE.

Compilation, E. H. FROTHINGHAM.

GRAZING.

A. F. POTTER, Assistant Forester (in the Field).
L. F. KNEIPP, Assistant Forester (in the Field).
WILL C. BARNES, Acting Assistant Forester, in Charge.

PROJECTS.

Forage and reseeding experiments—W. C. CLOS, Manti, Utah.
 Forage investigations; compilation of data—F. V. COVILLE, Botanist, Bureau of Plant Industry, in charge, Washington, D. C.; JAMES T. JARDINE, Deputy Forest Supervisor, Wallowa, Oreg., and ARTHUR T. SAMPSON, Plant Ecologist, Hot Springs, Cal.
 Identification of grasses and plants—Dr. EDWARD L. GREENE, Consulting Expert, Washington, D. C.
 Poisonous-plant investigations—Prof. C. D. MARSH, Expert, Bureau of Plant Industry, in charge, Mount Carbon, Colo.; IVAR TIDESTROM, Scientific Assistant, Ephraim, Utah.

PRODUCTS.

WM. L. HALL, Assistant Forester, in Charge.
McGARVEY CLINE, Assistant Forester (in the Field).

WOOD UTILIZATION.

H. S. SACKETT, Acting Chief.
Computing, E. A. ZIEGLER.

PROJECTS.

Compilation of forest tables—E. A. ZIEGLER, Washington, D. C.
 Computing—Silvical data; timber tests; timber sales.

Wood Chemistry, H. S. BRISTOL.

PROJECTS.

Study of methods of wood distillation and for the standardization and grading of turpentines—L. F. HAWLEY, Washington, D. C.; assistant, F. E. LICHTENTHAELER, 88 Broad street, Boston, Mass.
 Experiments with various woods for paper pulp—E. SUTERMEISTER; assistant, J. L. MERRILL, both at Washington, D. C.
 Study of wood preservatives and of chemical problems in wood utilization—F. BATEMAN; assistant, C. F. SPEHL, both at Washington, D. C.

Wood Uses, ROLF THELEN, Acting.

PROJECTS.

Connecticut—

Study of the effect of drying on strength of timber and the absorption of water at various temperatures, in cooperation with Yale University—H. D. TIEMANN, Yale Station, New Haven; assistants, H. E. MCKENZIE and CORNELIUS BARRY.

Microscopic study of the mechanical failure of wood—W. D. BRUSH, Yale Station, New Haven.

Indiana—

Tests of structural timbers and several hickories, in cooperation with Purdue University, the Illinois Central Railway Company, and the National Hickory Association—W. K. HATT, Purdue University, La Fayette; assistants, J. A. NEWLIN, J. O. BIXBY, WILLIAM D. DUDDING, T. LYONS, and H. WEYLS.

General Studies—

Collection of statistics of forest products, in cooperation with the Bureau of the Census—GEORGE K. SMITH, Lumbermen's Building, St. Louis, Mo.

Study of wood-using industries and markets for forest products—H. S. SACKETT, Washington, D. C.; FRANKLIN H. SMITH, 776 Federal Building, Chicago, Ill.

Study of wood-using industries in Massachusetts, in cooperation with F. W. Rane, State Forester, State House, Boston, Mass.—H. S. SACKETT, Washington, D. C.

Design of experimental dry kiln—FREDERICK DUNLAP, Washington, D. C.
 Preparation of market reports for Phoenix, Ariz., and Albuquerque, N. Mex.—
 O. T. SWAN, Albuquerque, N. Mex.

Turpentine Study—

Preparation of final report upon turpentine work—ASA L. BROWER, Washington, D. C.

WOOD PRESERVATION.

W. F. SHERFESEE, Chief.

PROJECTS.

Preparation of designs for commercial butt pole-treating plants—E. W. PETERS, Washington, D. C.

Cooperation, JOHN M. NELSON, Jr.

Alabama—

Construction and experimental operation of a wood-preserving plant, in cooperation with the Tennessee Coal, Iron and Railroad Company—EDWARD H. FORD, Birmingham.

Indiana—

Experimental operation of a treating plant, in cooperation with the Indianapolis, Columbus and Southern Traction Company—C. P. WINSLOW, Columbus.

Louisiana—

Experiments in treating the products of southern lumber mills, in cooperation with the Great Southern Lumber Company—CHARLES T. BARNUM, Bogalusa.

Pennsylvania—

Experimental operation of a commercial nonpressure plant for the treatment of mine timbers, in cooperation with the Philadelphia and Reading Coal and Iron Company—JNO. M. NELSON, Jr., Washington, D. C.; assistant detailed by the company, L. W. CONRAD, Pottsville.

Research, HOWARD F. WEISS.

PROJECT.

General plans for laboratory tests—H. F. WEISS, Washington, D. C.

PUBLICATION.

FINDLEY BURNS, Chief.

Review, BRISTOW ADAMS.

Education, DON CARLOS ELLIS, Acting.

Distribution, WILLIS G. BROWN.

PUBLICATIONS IN MAY.

Unnumbered Circular—Suggestions for the Collection of Range-Plant Specimens on the National Forests.

Unnumbered Circular—Instructions for Recording Observations of the Leafing, Flowering, and Fruiting of Forest Trees (for use in schools).

Unnumbered Circular—Information Regarding Employment on the National Forests. (Revised.)

Circular 162—Exports and Imports of Forest Products: 1908.

DISTRICTS.

DISTRICT 1.

Montana, northeastern Washington, northern Idaho, northwestern South Dakota, northern Michigan, northern Minnesota, and southwestern North Dakota.

Office, Hammond Block, Missoula, Mont.

W. B. GREELEY, District Forester.

F. A. SILCOX, Assistant District Forester.

W. M. AIKEN, District Law Officer.

OPERATION.

R. H. RUTLEDGE, Chief.

R. Y. STUART, Assistant Chief.

Organization, R. H. BUSHNELL, Acting.

Engineering, J. P. MARTIN.

Occupancy, E. B. QUIGGLE, Acting.

Accounts, H. I. LOVING, District Fiscal Agent.

Maintenance, R. L. CAMPBELL.

SILVICULTURE.

A. W. COOPER, Chief.

D. T. MASON, Assistant Chief.

Timber Sales, Chief and Assistant Chief of Silviculture.

Planting, E. C. CLIFFORD.

Silvics, Chief and Assistant Chief of Silviculture.

GRAZING.

C. H. ADAMS, Chief.

W. S. PERRINE, Assistant Chief.

PRODUCTS.

P. R. HICKS, Chief.

F. I. ROCKWELL, Assistant Chief (in the Field).

PROJECTS.

Montana—

Construction and experimental operation of a wood-preserving plant for treating fence posts and other ranch timbers, in cooperation with the Bitter Root Stock Farm—P. R. Hicks, Missoula.

Preliminary report on and preparation of plans for a commercial treating plant in cooperation with the Anaconda Copper Mining Company—P. R. Hicks, Missoula.

Inspection of experimental test tracks in cooperation with the Northern Pacific Railroad—P. R. Hicks, Missoula.

Study of wood-using industries and markets for forest products—F. I. Rockwell, Missoula.

NATIONAL FORESTS.

IDAHO.

Beaverhead—See Montana.**Clearwater**—F. A. FENN, Forest Supervisor, Kooskia (WU-N).**Coeur d'Alene**—W. G. WEIGLE, Forest Supervisor, Wallace (WU-N); E. R. BRUNKE, Deputy Forest Supervisor; RUTLEDGE PARKER, Forest Assistant.**Kaniksu**—See Washington.**Nezperce**—GEO. V. RING, Forest Supervisor, Grangeville (WU-N).**Pend Oreille**—J. E. BARTON, Forest Supervisor, Sandpoint (WU-N,W).

MICHIGAN.

Marquette
Michigan}—Not under administration.

MINNESOTA.

Minnesota—G. E. MARSHALL, Forest Supervisor, Cass Lake (WU-GN).**Superior**—J. S. BAIRD, Acting Forest Supervisor, Ely (WU-GN).

MONTANA.

Absaroka—V. GIFFORD LANTRY, Forest Supervisor, Livingston (WU-N); HARRY S. KAUFMAN, Deputy Forest Supervisor.**Beartooth**—E. C. RUSSELL, Forest Supervisor, Red Lodge (WU-N).**Beaverhead**—C. K. WYMAN, Forest Supervisor, Dillon (WU-P); R. J. MOORE, Deputy Forest Supervisor.**Bitterroot**—W. W. WHITE, Forest Supervisor, Missoula (WU-N); J. F. PRESTON, Deputy Forest Supervisor.**Blackfeet**—F. N. HAINES, Forest Supervisor, Kalispell (WU-GN); R. P. McLAUGHLIN, Deputy Forest Supervisor; C. N. WHITNEY, Forest Assistant.**Cabinet**—RALPH H. BUSHNELL, Acting Forest Supervisor, Thompson Falls (WU-N).**Custer**—GLEN A. SMITH, Acting Forest Supervisor, Ashland (WU via Miles City-N via Miles City).**Deerlodge**—C. C. HALL, Forest Supervisor, Anaconda (P-N); F. S. PATTON, Forest Assistant.**Flathead**—PAGE S. BUNKER, Forest Supervisor, Kalispell (WU-GN).**Gallatin**—D. T. CONKLING, Forest Supervisor, Bozeman (WU-N); A. A. SAUNDERS, Forest Assistant.**Helena**—DWIGHT BUSHNELL, Forest Supervisor, Helena (WU-N); J. D. WARNER, Deputy Forest Supervisor.**Jefferson**—J. B. SEELY, Forest Supervisor, Great Falls (WU-N).**Kootenai**—DORR SKEELS, Acting Forest Supervisor, Libby (WU-GN).**Lewis and Clark**—W. H. DAUGS, Forest Supervisor, Chouteau (WU via Collins-GN via Collins).**Lolo**—ELERS KOCH, Forest Supervisor, Missoula (WU, P-N); M. N. STICKNEY, Forest Assistant.**Madison**—CLIFTON W. HUDSON, Acting Forest Supervisor, Sheridan (WU-N).**Missoula**—D. G. KINNEY, Forest Supervisor, Missoula (WU, P-N).**Sioux**—See South Dakota.

NORTH DAKOTA.

Dakota—C. A. BALLINGER, Forest Supervisor, Camp Crook, S. Dak. (WU via Belle Fourche-Am via Belle Fourche).

SOUTH DAKOTA.

Sioux—C. A. BALLINGER, Forest Supervisor, Camp Crook.

WASHINGTON.

Kaniksu—W. N. MILLAR, Acting Forest Supervisor, Newport (WU-GN); WM. C. LATANE, Forest Assistant.

DISTRICT 2.

Colorado, Wyoming, South Dakota, Nebraska, and western Kansas.

Office, Majestic Building, Denver, Colo.

SMITH RILEY, District Forester.

P. G. REDINGTON, Assistant District Forester.

J. M. CATES, District Law Officer.

OPERATION.

FRED W. MORRELL, Chief.

C. J. STAHL, Assistant Chief.

Organization, Chief and Assistant Chief of Operation.

Engineering, R. E. MESNARD.

Occupancy, FRED LEES.

Accounts, JOHN A. URBANOWICZ, District Fiscal Agent.

Maintenance, F. B. AGEE.

SILVICULTURE.

A. K. CHITTENDEN, Chief.

S. L. MOORE, Assistant Chief.

Timber Sales, Chief and Assistant Chief of Silviculture.

PROJECTS.

South Dakota—

Supervision of logging and fire protection, Pine Ridge Indian Reservation—LOUIS KNOWLES, Deadwood.

Supervision of logging, Rosebud Indian Reservation—ROBERT EMERY, Rosebud.

Wyoming—

Examination of boundaries, Cheyenne National Forest—R. W. ALLEN, Laramie.

Examination of boundaries, Sundance National Forest—G. P. BARD, Sundance.

Planting, L. C. MILLER.

Silvics, C. G. BATES.

GRAZING.

J. W. NELSON, Chief.

E. N. KAVANAGH, Assistant Chief.

PRODUCTS.

C. L. HILL, Chief.

H. B. HOLROYD, Assistant Chief.

PROJECTS.

Colorado—

Preservative treatment of railway cross-ties, in cooperation with the Colorado Midland Railway Company—D. L. CARMODY, Norrie.

Preservative treatment of telephone poles, in cooperation with the Central Colorado Power Company—D. L. CARMODY, Norrie.

Tests on nine timbers of various Rocky Mountain species, in cooperation with the University of Colorado and the Northern Coal and Coke Company—A. L. HEIM, Boulder.

Tests on Western yellow pine and Colorado Douglas fir cross-ties, in cooperation with the University of Colorado and the Colorado and Northwestern Railway Company—A. L. HEIM, Boulder.

Tests on trestle timbers, in cooperation with the University of Colorado and the Denver City Tramway Company—A. L. HEIM, Boulder.

South Dakota—

Supervision of operation of treating plant, in cooperation with the Homestake Mining Company—HARRY MILLS MASON, Jr., Lead City.

General Studies—

Wood-using industries and markets for forest products—H. B. HOLROYD, Denver. Colo.

NATIONAL FORESTS.

COLORADO.

Arapaho—C. G. POOLE, Acting Forest Supervisor, Sulphur Springs (WU-Ad).
Battlement—DAVID ANDERSON, Forest Supervisor, Collbran (WU-WF, G); JOHN W. LOWELL, Jr., Deputy Forest Supervisor.
Cochetopa—EUGENE WILLIAMS, Forest Supervisor, Saguache (WU-G).
Gunnison—WM. R. KREUTZER, Forest Supervisor, Gunnison (WU-WF, G); E. C. BERKY, Deputy Forest Supervisor.
Hayden—See Wyoming.
Holy Cross—HARRY H. FRENCH, Forest Supervisor, Glenwood Springs (WU-WF, G); JAY HIGGINS, Forest Assistant.
La Sal—See Utah.
Las Animas—C. A. WHITNEY, Acting Forest Supervisor, La Veta (WU-G).
Leadville—A. L. STROUP, Forest Supervisor, Leadville (WU, P-WF, G); J. E. MARTIN, Forest Assistant.
Medicine Bow—H. N. WHEELER, Forest Supervisor, Fort Collins (WU-WF); C. M. GRANGER, Deputy Forest Supervisor.
Montezuma—RESS PHILLIPS, Forest Supervisor, Mancos (WU-G).
Pike—C. W. FITZGERALD, Forest Supervisor, Denver (WU, P-Ad, G, P, US, WF); W. J. MORRILL, Deputy Forest Supervisor; Pikes Peak Nursery—W. SCHRAEDER, Forest Planting Assistant, Monument.
Rio Grande—F. C. SPENCER, Forest Supervisor, Monte Vista (WU-G); P. T. COOLIDGE, Forest Assistant.
Routt—J. H. RATLIFF, Acting Forest Supervisor, Steamboat Springs (WU-Ad).
San Isabel—J. N. LANGWORTHY, Acting Forest Supervisor, Westcliffe (WU-G).
San Juan—ERNEST W. SHAW, Forest Supervisor, Durango (WU-G); A. L. SWEITZER, Deputy Forest Supervisor; PETER KEPLINGER, Forest Assistant.
Sopris—JOHN McLAREN, Acting Forest Supervisor, Aspen (WU-WF, G); JAY HIGGINS, Forest Assistant.
Uncompahgre—HENRY L. SPENCER, Acting Forest Supervisor, Delta (WU-G); J. H. RAMSKILL, Forest Assistant.
White River—JAMES A. BLAIR, Forest Supervisor, Meeker (WU-WF, G).

KANSAS.

Kansas—B. R. H. D'ALLEMAND, Acting Forest Supervisor, Garden City (WU, P-WF); Garden City Nursery—C. R. TAYLOR, Forest Planting Assistant.

NEBRASKA.

Nebraska—W. H. MAST, Forest Supervisor, Halsey (WU-Ad); H. R. SHOCKLEY, Deputy Forest Supervisor; Halsey Nursery—L. BESLEY and C. R. BECHTLE, Forest Planting Assistants.

SOUTH DAKOTA.

Black Hills—PAUL D. KELLETER, Acting Forest Supervisor, Deadwood (WU-Ad, Am); JOHN MURDOCH, Jr., and ROBERT E. CLARK, Forest Assistants.

WYOMING.

Bighorn—W. E. JACKSON, Forest Supervisor, Sheridan (WU-Ad); HERBERT GRAFF, Deputy Forest Supervisor.
Bonneville—FOSTER STEELE, Acting Forest Supervisor, Pinedale (WU-P); H. EARLE FRENCH, Forest Assistant.
Cheyenne—P. S. LOVEJOY, Acting Forest Supervisor, Laramie (WU, P-P); R. A. STRETCH and ARTHUR M. COOK, Forest Assistants.
Hayden—JAMES BLACKHALL, Acting Forest Supervisor, Encampment (WU, P-P).
Shoshone—H. W. THURSTON, Forest Supervisor, Cody (WU-Ad).
Sundance—FRANK S. THOMSON, Acting Forest Supervisor, Sundance (WU-Ad, Am).

DISTRICT 3.

Arizona, Arkansas, Florida, New Mexico, and Oklahoma.

Office, Strickler-Luna Building, Albuquerque, N. Mex.

A. C. RINGLAND, District Forester.

E. H. CLAPP, Assistant District Forester.

H. B. JAMISON, District Law Officer.

OPERATION.

A. O. WAHA, Chief.
R. G. WILLSON, Assistant Chief.

Organization, Chief and Assistant Chief of Operation.
Engineering, E. H. JONES.
Occupancy, B. FRANKLIN.
Accounts, J. J. DUFFY, District Fiscal Agent.
Maintenance, W. B. BUNTON.

SILVICULTURE.

T. S. WOOLSEY, Jr., Chief.
A. B. RECKNAGEL, Assistant Chief.

Timber Sales, STANTON G. SMITH, Acting.

PROJECT.**Arizona—**

Supervision of cutting, San Carlos Indian Reservation—**J. J. WOOLSEY**, San Carlos.
Planting, **A. S. PECK**.
R. L. ROGERS, Assistant.

Silvics, W. R. MATTOON.

G. A. PEARSON, Assistant, Coconino Forest Experiment Station, Flagstaff, Ariz.
H. D. BURRALL, Assistant, Coconino Forest Experiment Station, Flagstaff, Ariz.

GRAZING.

J. K. CAMPBELL, Chief.
JOHN KERR, Assistant Chief.

NATIONAL FORESTS.**ARIZONA.**

Apache—JOHN D. GUTHRIE, Forest Supervisor, Springerville (WU, P-WF); W. H. KOBBE, Forest Assistant.
Chiricahua—A. H. ZACHAU, Forest Supervisor, Douglas (WU, P-WF).
Coconino—WILLARD M. DRAKE, Acting Forest Supervisor, Flagstaff (WU, P-WF).
Coronado—ROBERT J. SELKIRK, Forest Supervisor, Benson (WU, P-WF).
Crook—T. T. SWIFT, Forest Supervisor, Safford (WU-WF).
Garces—W. H. B. KENT, Forest Supervisor, Nogales (WU-WF).
Prescott—C. H. HINDERER, Forest Supervisor, Prescott (WU-WF).
Sitgreaves—A. J. MACKAY, Forest Supervisor, Snowflake (WU, P-WF).
Tonto—J. W. FARMER, Acting Forest Supervisor, Roosevelt (WU-WF).

ARKANSAS.

Arkansas—S. J. RECORD, Forest Supervisor, Mena (WU-WF); FRANCIS KIEFER, Forest Assistant.
Ozark—DAVID E. FITTON, Forest Supervisor, Harrison (WU-WF); W. F. HILL, Deputy Forest Supervisor.

FLORIDA.

Choctawhatchee } —Not under administration.
Ocala

NEW MEXICO.

Alamo—ARTHUR M. NEAL, Forest Supervisor, Alamogordo (WU, P-WF).
Carson—ROSS McMILLAN, Forest Supervisor, Antonito, Colo. (WU-G).
Chiricahua—See Arizona.
Datil—W. H. GODDARD, Forest Supervisor, Magdalena (WU, P-WF); R. F. BALTHIS, Deputy Forest Supervisor.
Gila—DOUGLAS RODMAN, Forest Supervisor, Silver City (WU-WF); FRANK E. ANDREWS, Deputy Forest Supervisor. Fort Bayard Nursery—H. G. CALKINS, Forest Assistant; H. C. TURNER, Forest Planting Assistant.

Jemez—THOS. R. STEWART, Acting Forest Supervisor, Santa Fe (WU, P-WF); HARRY H. POOLER, Forest Agent.
Lincoln—J. A. KINNEY, Forest Supervisor, Capitan (WU, P-WF).
Manzano—A. D. READ, Forest Supervisor, Albuquerque (WU, P-WF).
Pecos—THOS. R. STEWART, Acting Forest Supervisor, Santa Fe (WU, P-WF). Las Gallinas Nursery—HARRY H. POOLER, Forest Agent; A. HEDRICKS, Forest Planting Assistant.
Zuni—Not under administration.

OKLAHOMA.

Wichita—FRANK RUSH, Acting Forest Supervisor, Cache (WU-WF).

DISTRICT 4.

Utah, southern Idaho, western Wyoming, eastern Nevada, and northwestern Arizona.

Office, First National Bank Building, Ogden, Utah.

CLYDE LEAVITT, District Forester.

FRANKLIN W. REED, Assistant District Forester.

W. C. HENDERSON, District Law Officer.

OPERATION.

R. P. IMES, Chief.

E. H. CLARKE, Assistant Chief.

Organization, Chief and Assistant Chief of Operation.

Engineering, A. T. MITCHELSON.

Occupancy, TIMOTHY C. HOYT.

Accounts, Q. R. CRAFT, District Fiscal Agent.

Maintenance, FELIX T. MOORE.

SILVICULTURE.

L. L. WHITE, Chief.

O. M. BUTLER, Assistant Chief.

Timber Sales, Chief and Assistant Chief of Silviculture.

Planting, J. M. FETHEROLF.

Silvics, E. R. HODSON.

GRAZING.

HOMER E. FENN, Chief.

A. C. McCAIN, Assistant Chief.

SUPPLY DEPOT.

A. M. SMITH, Property Clerk.

PROPERTY AUDIT.]

J. G. FALCK, Property Auditor.

NATIONAL FORESTS.

ARIZONA.

Dixie—See Utah.

Kaibab—JOHN H. CLARK, Forest Supervisor, Kanab, Utah (WU-WF); DANIEL K. JUDD, Deputy Forest Supervisor.

IDAHO.

Boise—E. GRANDJEAN, Forest Supervisor, Boise (WU-P); WALTER A. HOPSON and D. C. A. GALARNEAU, Forest Assistants.

Cache—See Utah.

Caribou—N. E. SNELL, Forest Supervisor, Idaho Falls (WU-P).

Challis—DAVID LAING, Forest Supervisor, Challis (WU-P); JOHN A. PEARSON, Deputy Forest Supervisor.

Idaho—HENRY A. BERGH, Forest Supervisor, Elo (WU-P).

Lemhi—C. I. HUDDLE, Forest Supervisor, Mackay (WU-P); JAMES L. PELTON, Deputy Forest Supervisor.

Minidoka—WM. MCCOY, Forest Supervisor, Oakley (WU-P).

Payette—GUY B. MAINS, Forest Supervisor, Emmett (WU-P); CARL B. ARENTSON, Deputy Forest Supervisor.

Pocatello—CLINTON G. SMITH, Forest Supervisor, Pocatello (WU-P); Pocatello Nursery—P. T. WRENSTED, Forest Ranger.

Salmon—GEORGE G. BENTZ, Forest Supervisor, Salmon (WU-P); JAS. M. RYAN, Deputy Forest Supervisor; F. T. MCLEAN, Forest Assistant.

Sawtooth—C. N. WOODS, Forest Supervisor, Hailey (WU-P); H. G. MCPHETERS, Deputy Forest Supervisor.

Targhee—DAVID BARNETT, Forest Supervisor, St. Anthony (WU-P); J. F. BRUINS, Deputy Forest Supervisor; LUCAS W. HASTINGS, Grazing Assistant.

Weiser—J. B. LAFFERTY, Forest Supervisor, Weiser (WU-P); W. M. CAMPBELL, Deputy Forest Supervisor.

NEVADA.

Humboldt—C. SYDNEY TREMEWAN, Forest Supervisor, Elko (WU-WF).

Moapa—HARRY E. MATHEWS, Acting Forest Supervisor, Las Vegas (WU-WF).

Nevada—R. F. MATHIAS, Acting Forest Supervisor, Ely (WU-WF).

Toiyabe—M. S. BENEDICT, Acting Forest Supervisor, Austin (WU, P-WF).

UTAH.

Ashley—W. M. ANDERSON, Forest Supervisor, Vernal (WU-WF).

Cache—W. W. CLARK, Forest Supervisor, Logan (WU-P); J. F. SQUIRES, Deputy Forest Supervisor; J. E. ROTHERY, Forest Assistant.

Dixie—JAMES E. JEWELL, Acting Forest Supervisor, St. George (WU-WF).

Fillmore—WM. HURST, Forest Supervisor, Beaver (WU-WF).

Fishlake—OLUF G. NIELSON, Acting Forest Supervisor, Salina (WU-WF).

La Sal—JOHN RIIS, Acting Forest Supervisor, Moab (WU-WF).

Manti—A. W. JENSEN, Forest Supervisor, Ephraim (WU-WF); ERNEST WINKLER, Deputy Forest Supervisor; PARLEY CHRISTIANSEN, Grazing Assistant.

Minidoka—See Idaho.

Nebo—DAN S. PACK, Forest Supervisor, Nephi (WU-WF).

Pocatello—See Idaho.

Powell—GEO. H. BARNEY, Forest Supervisor, Escalante (WU-WF).

Sevier—O. C. SNOW, Forest Supervisor, Panguitch (WU-WF); FRANK W. SEAMAN, Deputy Forest Supervisor.

Uinta—W. I. PACK, Forest Supervisor, Provo (WU-WF).

Wasatch—R. V. R. REYNOLDS, Acting Forest Supervisor, Salt Lake City (WU, P-WF, P); WILLIAM M. McGHIE, Deputy Forest Supervisor; Wasatch Nursery—N. J. FETHEROLF, Forest Planting Assistant.

WYOMING.

Ashley—See Utah.

Caribou—See Idaho.

Targhee—See Idaho.

Teton—R. E. MILLER, Forest Supervisor, Jackson (WU-P).

Wyoming—JOHN RAPHAEL, Forest Supervisor, Afton (WU-P).

DISTRICT 5.

California and southwestern Nevada.

Office, First National Bank Building, San Francisco, Cal.

F. E. OLMSTED, District Forester.

COERT DUBOIS, Assistant District Forester.

E. A. LANE, District Law Officer.

OPERATION.

R. L. FROMME, Chief.
ROY HEADLEY, Assistant Chief.

Organization, Chief and Assistant Chief of Operation.
 Engineering, W. C. NESPITAL, Acting.
 Occupancy, R. F. HAMMATT.
 Accounts, CLARENCE WILEY, District Fiscal Agent.
 Maintenance, A. L. DAHL.

SILVICULTURE.

G. M. HOMANS, Chief.
T. D. WOODBURY, Assistant Chief.

Timber Sales, Chief and Assistant Chief of Silviculture.

PROJECTS.

Examination and report on proposed timber sale, Angeles National Forest—SWIFT BERRY, Los Angeles, Cal.

Preparation of an estimate of the amount of timber killed by smelter fumes within the Shasta National Forest—JOHN LAFON, Jr., Sisson, Cal.

Supervision of operations on the Standard Lumber Company's timber sale, Stanislaus National Forest—J. C. ELLIOTT, Sonora, Cal.

Planting, G. W. PEAVY; C. A. KUPFER, Assistant.

GRAZING.

JOHN H. HATTON, Chief.
M. B. ELLIOTT, Assistant Chief.

PRODUCTS.

C. S. SMITH, Chief.

PROJECTS.

Tests of the strength of eucalyptus, redwood, and tanbark oak, in cooperation with the University of California, the Northwestern Redwood Company, and the California Redwood Association—G. R. GESSERT, Berkeley.

Study of wood-using industries and markets for forest products—J. V. WULFF, San Francisco.

Operation of an experimental wood-preserving plant, in cooperation with the Southern Pacific Company—C. S. SMITH, San Francisco.

Experiments to determine the best methods for seasoning eucalyptus globulus poles and logs, in cooperation with the estate of Adolph Sutro, the Pacific Land Investment Company, and the Mount Tamalpais Cemetery Association—J. V. WULFF, San Francisco.

NATIONAL FORESTS.

CALIFORNIA.

Angeles—R. H. CHARLTON, Forest Supervisor, Los Angeles (WU, P-WF); ERNEST B. LONG, Deputy Forest Supervisor; Lytle Creek Nursery—SEROPE Y. PARNAY, Forest Planting Assistant, San Bernardino

California—ERNEST BRITTEN, Forest Supervisor, Willows (P-WF); N. B. DREW, Deputy Forest Supervisor.

Cleveland—H. A. E. MARSHALL, Forest Supervisor, San Diego (WU, P-WF); PERCY L. DAY, Deputy Forest Supervisor; F. L. RICKEY, Planting Assistant.

Inyo—A. H. HOGUE, Forest Supervisor, Bishop (WU-WF); RAYMOND TYLER, Deputy Forest Supervisor.

Klamath—FRANK W. HARLEY, Acting Forest Supervisor, Yreka (P-WF); R. G. POND, Forest Assistant.

Lassen—L. A. H. KLING, Forest Supervisor, Red Bluff (P-WF); J. C. LA PLANT, Deputy Forest Supervisor.

Modoc—C. E. RACHFORD, Forest Supervisor, Alturas (P-WF); VERNON L. BONNER, Deputy Forest Supervisor.

Mono—See Nevada.
Monterey—N. O. TORSTENSEN, Forest Supervisor, Salinas (WU-WF).
Plumas—L. A. BARRETT, Forest Supervisor, Quincy (WU-WF); W. G. DURBIN, Deputy Forest Supervisor; J. R. HALL, Forest Assistant.
San Luis—E. S. MAINWARING, Forest Supervisor, San Luis Obispo (WU-WF).
Santa Barbara—WILLIS M. LOSSON, Forest Supervisor, Santa Barbara (P-WF); H. G. MERRILL, Deputy Forest Supervisor.
Sequoia—E. A. SHERMAN, Forest Supervisor, Hot Springs, Tulare County (WU via Porterville-WF); W. C. BURTON, Deputy Forest Supervisor; W. M. MAULE, Forest Assistant.
Shasta—W. B. RIDER, Forest Supervisor, Sisson (P-WF); PHILIP T. HARRIS, Deputy Forest Supervisor.
Sierra—C. H. SHINN, Forest Supervisor, Northfork (WU via Fresno-WF); H. J. TOMPKINS, Forest Assistant; WM. G. HOWARD, Forest Assistant.
Stanislaus—R. W. AYRES, Forest Supervisor, Sonora (WU-WF); D. N. ROGERS, Forest Assistant.
Tahoe—R. L. P. BIGELOW, Forest Supervisor, Nevada City (WU-WF); M. B. PRATT, Deputy Forest Supervisor.
Trinity—F. H. HAFLEY, Forest Supervisor, Weaverville (WU-WF); W. A. HUESTIS, Deputy Forest Supervisor.

NEVADA.

Inyo—See California.
Mono—J. C. WELLS, Forest Supervisor, Gardnerville (WU-WF).
Tahoe—See California.

DISTRICT 6.

Washington, Oregon, and Alaska. Office, Beck Building, Portland, Oreg.

E. T. ALLEN, District Forester.
GEO. H. CECIL, Assistant District Forester.

C. R. PIERCE, District Law Officer.

OPERATION.

C. H. FLORY, Chief.
C. J. BUCK, Assistant Chief.

Organization, Chief and Assistant Chief of Operation.
Engineering, W. E. HERRING.
Occupancy, W. F. STALEY.
Accounts, A. H. COUSINS, District Fiscal Agent.
Maintenance, SHIRLEY BUCK.

SILVICULTURE.

F. E. AMES, Chief.
C. S. JUDD, Assistant Chief.

Timber Sales, Chief and Assistant Chief of Silviculture.

PROJECTS.

Supervision of timber sales and sealing, Oregon National Forest—W. T. ANDREWS, Lumberman, Portland, Oreg.

Supervision of timber sales and sealing, Olympic National Forest—J. P. HUGHES, Lumberman, Olympia, Wash.

Scaling on Wind River Lumber Company timber sale, May 10, 1906, Columbia National Forest—EDWIN C. ERICKSON and D. L. MCKAY, Jr., Scalers, Carson, Wash.

Cooperation with Indian Office in supervision of cutting, Klamath Indian Reservation—T. F. KELSOE, Assistant Forest Ranger, Klamath Agency, Oreg.

Planting, J. F. KÜMMEL.
Silvics, T. T. MUNGER.

PROJECT.

Study of silvical qualities and growth of Douglas fir—T. T. MUNGER, Forest Assistant, Portland, Oreg.

GRAZING.

HOWARD K. O'BRIEN, Chief.
T. P. MACKENZIE, Assistant Chief.

PRODUCTS.

J. B. KNAPP, Chief.
H. B. OAKLEAF, Assistant Chief.

PROJECTS.

Oregon—

Study of preservative processes used by commercial treating plants in Oregon and Washington—**H. B. OAKLEAF**, Portland.

Study of wood-using industries and markets for forest products—**J. B. KNAPP**, Portland.

Selection of material for tests on fire-killed Douglas fir—**H. B. OAKLEAF** and **C. B. COX**, Portland.

Study of the rate of deterioration and the usability of fire-killed timber—**C. B. COX**, Portland.

Washington—

Tests of Western larch in cooperation with the University of Washington and the Western Pine Manufacturers' Association—**O. P. M. GOSS**, assistant, P. S. BUHL, University Station, Seattle.

Supervision of the Forest Service timber-testing exhibit at the Alaska-Yukon-Pacific Exposition—**O. P. M. GOSS**, Seattle.

Inspection of Northern Pacific Test Track in cooperation with District 1—**H. B. OAKLEAF**, Portland.

NATIONAL FORESTS.

ALASKA.

Chugach—**W. A. LANGILLE**, Forest Supervisor, Ketchikan (SC, U. S. A., WU-AP); **HOWARD M. CONRAD**, Deputy Forest Supervisor; **LAGE WERNSTEDT**, Forest Assistant.

Tongass—**W. A. LANGILLE**, Forest Supervisor, Ketchikan (SC, U. S. A., WU-AP); **HOWARD M. CONRAD**, Deputy Forest Supervisor; **LAGE WERNSTEDT**, Forest Assistant.

CALIFORNIA.

Crater—See Oregon.

Siskiyou—See Oregon.

OREGON.

Cascade—**C. R. SEITZ**, Forest Supervisor, Eugene (WU, P-WF); **J. R. HARVEY**, Deputy Forest Supervisor; **E. B. STARR**, Forest Assistant.

Crater—**M. L. ERICKSON**, Forest Supervisor, Medford (WU, P-WF); **S. S. SWENNING**, Deputy Forest Supervisor; **H. D. FOSTER**, Forest Assistant.

Deschutes—**A. S. IRELAND**, Forest Supervisor, Prineville (PT, & T-WF, via Shaniko).

Fremont—**GUY M. INGRAM**, Forest Supervisor, Lakeview (WU via Klamath Falls-WF); **G. D. BROWN**, Deputy Forest Supervisor.

Malheur—**CY. J. BINGHAM**, Forest Supervisor, John Day (WU via Baker City-WF via Baker City).

Oregon—**T. H. SHERPARD**, Forest Supervisor, Portland (WU, P-WF, N, P); **RALPH S. SHELLEY**, Deputy Forest Supervisor.

Siskiyou—**M. J. ANDERSON**, Forest Supervisor, Grants Pass (WU, P-WF); **HUGH M. GUTHRIE**, Deputy Forest Supervisor; **H. HAEFNER**, Forest Assistant.

Siuslaw—**A. E. COHOON**, Forest Supervisor, Eugene (WU, P-WF).

Umatilla—**THOS. E. CHIDSEY**, Forest Supervisor, Heppner (WU-P).

Umpqua—**S. C. BARTRUM**, Forest Supervisor, Roseburg (WU, P-WF); **H. M. HALE**, Deputy Forest Supervisor.

Wallowa—**HARVEY W. HARRIS**, Acting Forest Supervisor, Wallowa (WU-P).

Wenaha—See Washington.

Whitman—**HENRY IRELAND**, Forest Supervisor, Sumpter (WU via Baker City-WF via Baker City).

WASHINGTON.

Chehal—GEORGE W. MILHAM, Forest Supervisor, Chelan (PT and T-GN via Wenatchee); D. S. RICE, Deputy Forest Supervisor.
Columbia—H. O. STABLER, Forest Supervisor, Portland, Oreg. (WU, P-WF, N, P); ARTHUR R. WILCOX, Forest Assistant.
Colville—W. W. CRYDER, Forest Supervisor, Republic (WU, P-GN).
Olympic—FRED HANSON, Forest Supervisor, Olympia (WU-GN, N).
Rainier—G. F. ALLEN, Forest Supervisor, Orting (WU-N); F. B. KELLOGG, Forest Assistant.
Snoqualmie—B. P. KIRKLAND, Forest Supervisor, Seattle (WU, P-N, GN, WF); E. T. CLARK, Forest Assistant.
Washington—C. H. PARK, Acting Forest Supervisor, Bellingham (WU, P-GN, N).
Wenaha—J. M. SCHMITZ, Forest Supervisor, Walla Walla (WU-N, P).
Wenatchee—A. H. SYLVESTER, Forest Supervisor, Leavenworth (WU-GN); A. A. PARKER, Deputy Forest Supervisor; FRED W. CLEATOR, Forest Assistant.

SERVICE CHANGES IN MAY.

APPOINTED.

Forester—

LAW: JAMES I. PARKER, Law Examiner.

Products—

WOOD PRESERVATION: E. W. PETERS, Engineer in Wood Preservation.

District 2—

ORGANIZATION: R. E. CHASE, Land Examiner.

District 4—

OCCUPANCY: S. M. BALLARD, Forest Agent.

District 6—

SILVICULTURE: EDWIN C. ERICKSON, Scaler; DUNCAN L. MCKAY, Jr., Scaler.

PROMOTED.

District 5—

ORGANIZATION: M. B. PRATT, Forest Assistant to Deputy Forest Supervisor.

ACCOUNTS: CLARENCE WILEY, Clerk to Chief of Section of Accounts and District Fiscal Agent.

TRANSFERRED.

District 1—

SILVICULTURE: WILLIAM C. LATANE, Forest Assistant, from Bighorn National Forest to the Kaniksu National Forest.

District 2—

ORGANIZATION: J. F. BRUINS, Deputy Forest Supervisor, from Leadville National Forest to Targhee National Forest, District 4.

District 6—

SILVICULTURE: DORR SKEELS, from Forest Assistant, Office of Silviculture, District 6, to Acting Forest Supervisor, Kootenai National Forest, District 1.

CHANGE IN DESIGNATION.

Forester—

LAW: A. C. SHAW, Assistant Law Officer.

FURLoughed.

District 5—SILVICULTURE: T. R. COOPER, Forest Assistant.
(Erroneously placed under Organization in May Program.)

RESTORED TO THE ROLLS WITH PAY.

Silviculture—

STATE AND PRIVATE COOPERATION: W. W. ASHE, Forest Assistant.

REINSTATED.**Silviculture—**

SILVICS: ANTOIN BOISEN, Forest Assistant.

SEPARATED.**Products—**

PUBLICATION: ENOS A. MILLS, Forest Agent.

RESIGNED.**Forester—**

KINGSLEY R. MACGUFFEY, Forest Assistant.

District 2—

ORGANIZATION: FRANK A. BLAIR, Forest Ranger, Uncompahgre National Forest.

District 5—

ENGINEERING: F. C. WALES, District Engineer.

SUSPENDED.**District 5—**

SILVICULTURE: S. M. CROSS, Lumberman.

DISMISSED.**District 2—**

ORGANIZATION: ELMER E. CHAPSON, Forest Ranger, San Juan National Forest.

District 6—

ENGINEERING: WILLIAM H. BENTON, Constructing Engineer.

SERVICE NOTES FOR JUNE.

These notes contain instructions and necessary information for Forest officers, and will, therefore, be carefully read and kept on file for reference.

OFFICE OF THE FORESTER.

LAW.

Embezzlement: Conviction—

On May 7 the United States grand jury for the second judicial district of Arizona, in session at Tombstone, returned three indictments against Charles T. McGlone, a former supervisor on the Chiricahua National Forest, for embezzlement of grazing fees. After a demurrer to each indictment had been overruled, McGlone pleaded "not guilty" to each indictment. On May 10, however, he changed his plea in the case of T. P. Blevins to "guilty," and was sentenced on the following day by Judge Doan to serve six months in the county jail and to pay a fine of \$38.50. On the motion of the United States district attorney, the court dismissed the other indictments.

Timber Trespass: Case Settled—

The Harris Lumber Company, of Eagleton, Ark., on March 1 and March 18, paid the sum of \$885 in settlement for timber cut in trespass by homestead entrymen, at the instigation of the company, upon land within the Arkansas National Forest. The cases were in litigation under the direction of the United States district attorney for the western district of Arkansas.

Claims: Correspondence with the General Land Office—

The suggestion has been made by the General Land Office that it would facilitate the filing of papers from the district Foresters if in their correspondence with the Commissioner they give, in every instance where they have it, the General Land Office division and file number. While it is understood that the district office may not, in every case, have such file designations, yet, when these are shown on the records, it is hoped that this suggestion will be complied with.

Grazing Trespass: Adverse Decision: Appeal—

Judge Welborn, of the United States district court, southern district of California, sitting at Fresno, Cal., May 3, sustained the defendants' demurrers to the indictments in the criminal cases of *United States v. Cazajous, Grimaud, and Inda*, for unpermitted grazing of sheep upon the Sierra (S), now the Sequoia National Forest. Judge Welborn held that, in his opinion, these cases, being criminal prosecutions, should be distinguished from, and are not governed by, the decisions in the cases against Dastervignes (188 Fed., 199, and 122 Fed., 30) and Shannon (151 Fed., 863). Appeals in these cases will be at once taken to the United States Supreme Court, the Attorney-General having instructed the United States attorney at Los Angeles to sue out writs of error under the criminal appeals act of March 2, 1907. (Use Book, p. 255.)

Occupancy Trespass: Adjournment—

Trial of the action of ejectment against S. J. Harris, for unlawful occupancy of National Forest lands (Sierra), which was set for trial before the United States circuit court, southern district of California, at Fresno, Cal., May 3, was continued until November 8, the next term of court. This continuance was necessary, because, in reliance upon what was understood to be a definite offer to compromise by the defendant's attorneys, some of the Government's witnesses were not present when the case was called.

Employment of Attorneys—

No Forest officers have any authority to employ attorneys to act for the Government for any purpose whatever. The statutes covering this matter are explicit and make it impossible to pay for such services. District attorneys and other specially authorized officers of the Government must be relied on in every case.

Occupancy Trespass: Case Settled—

The suit of ejectment brought against the Alaska Copper Company on the Tongass National Forest, for the illegal occupancy of mill sites along Copper Harbor, was settled by the trustee in bankruptcy, H. T. Granger, taking out a special use permit with a nonprejudice clause, in payment for which permit \$25 was received.

Mining Laws: General Land Office Regulations—

The new circular of the General Land Office, issued March 29, 1909, giving the United States mining laws and the regulations thereunder, makes some important changes, particularly under the "Procedure to obtain mineral land," in requiring claimants to make statements as to the mineral actually discovered. (See especially regulation 41, p. 39, and regulations 58 to 60, inclusive, pp. 42 and 43.)

Fire Trespass: Defendant Fined—

S. B. Conner, who had been indicted for trespass resulting from his leaving a camp fire unattended in the Wallowa National Forest in Oregon, pleaded guilty and was fined.

Fire Trespass: Suit Begun—

On May 8, 1909, the United States district attorney filed a suit, in the federal court for the district of Oregon, against the Corvallis and Eastern Railway Company for the recovery of \$10,703.44 damages sustained by the Government on account of the destruction of timber from fires on the Oregon National Forest caused by sparks from the engines of the above railroad company.

Fire Trespass: Case Settled—

There has been received \$2,312.62 from the Great Northern Railway Company in payment of damages for the destruction of timber on the Wenatchee National Forest by fires caused by sparks from the company's engines.

Timber Trespass: Suit Recommended—

Suit was recommended to the Department of Justice against Tom Cannon, of Wenatchee, Wash., and C. E. Gray & Son, of Entiat, Wash., to recover damages for approximately 110,100 feet of timber unlawfully cut from unsurveyed land within the Wenatchee National Forest, which timber was sold to C. E. Gray & Son.

OPERATION.

Special Uses and Interior Rights of Way: Conflicts--

Since it is impracticable as yet in the supervisors' offices, the District offices, and the Office of the Forester to keep a complete atlas record showing all actual or possible conflicts among special-use and Interior right-of-way applications, it is of extreme importance that all Forest officers in their reports show clearly any such conflict. The information must be complete in order that the supervisor, District Forester, and Forester may fully understand the actual conditions on the ground.

Copies of Claims Reports—

The General Land Office has requested that the original and one copy of every claims report be sent to the chiefs of field division. The Forest Service will comply with this request. Supervisors will, therefore, always make two carbon copies of claims reports which they send direct to the chiefs of field division under Service Order No. 28, and will always make three carbon copies of claims reports submitted to the District Forester.

Settlement: Supervisors' Monthly Reports Discontinued—

The supervisors' monthly reports of settlement work on Form 395 are hereby discontinued. The follow-up system should be used by the District Foresters and supervisors in settlement cases, and the District Foresters may instruct the supervisors regarding any necessary statements showing the condition and progress of the work from time to time.

Forests Transferred to District 2—

On June 1 the Bighorn and Shoshone Forests in District 1 and the Bonneville Forest in District 4 were transferred to District 2. These forests are more accessible to the Denver office than to the offices to which they had been attached. Their transfer also more nearly equalizes National Forest business in the six districts.

Headquarters of the Cheyenne National Forest Moved—

On May 15 the headquarters of the Cheyenne National Forest were moved to Laramie, in order to establish better communication between the supervisor's office and the portions of the Forest on which the work is the heaviest and most important.

Sopris National Forest Established—

The Sopris National Forest was established by executive order of April 26. The Sopris consists of the southern portion of the Holy Cross and has an area of 652,080 acres. The headquarters of the Holy Cross Forest remain at Glenwood Springs, and the Sopris is administered from Aspen.

Two New Forms for Fire Reports—

Two new forms have been prepared to take the place of Form 944. A ranger's fire-report leaf, of the size of the ranger's notebook, will be known as Form 874-6; 10,000 of these will be printed. A form will be used for reporting each fire.

The supervisor's annual fire report to the District Forester will be known as Form 926. Only 1,000 of these will be printed, since each supervisor will require but one for making his report at the close of the fire season.

The first issue of these forms will be made by the property clerk at Ogden without requisition. District Foresters will compile their annual fire reports according to the "dummy" form, which was sent to each District Forester with OG letter of April 16.

Incomplete Information on Reimbursement Vouchers—

Many reimbursement accounts submitted are not complete in the information necessary to explain the expenditures. Charges for meals should give the place where obtained. Cash fares for transportation should show starting and objective points and, if on a railroad, should give the name of the railroad. Subvouchers, Form 4-a, should be filled out in all blank spaces, and all items of an unusual nature should have an explanatory note on the subvoucher. The sample copy of a reimbursement account shown in the Fiscal Regulations October 1, 1907, pages 39-41, inclusive, should be carefully followed.

Identification of Government Bills of Lading—

The Auditor for the State and Other Departments calls attention to the absence of identification on Government bills of lading used by the Service. In many instances bills of lading are not numbered, and it is impossible to identify them without lengthy description. It will be necessary, therefore, to instruct all members of the Service issuing bills of lading to use a serial number in the upper right-hand corner, with some key initial to show where it originated; thus, the supervisor of the Absaroka National Forest would use "Absaroka No. 1," and the chief of maintenance at Ogden would use "Ogden, OM, No. 1."

Correct Reading of Service Order 27—

Service Order 27, section 143, third paragraph, last sentence, should read as follows:

Requisitions for graphic work required in the Districts should be made to the District Forester. Requisitions for photographic films, photographic work, and published maps should be sent to the Forester, and should be made very specific to avoid misunderstanding.

Too Liberal Use of the Telephone—

The note under the above caption in the May Field Program referred to long-distance and not to local calls. A local call should be used whenever it will save writing a letter, but the cost of the long-distance service makes it imperative that economy both in the number of calls and in the length of the talks be kept in mind.

Accepting Free Sustenance from Forest Users—

The attention of Forest officers is called to the fact that it is against the policy of the Service for its officers to accept, in any unreasonable measure; hospitality from Forest users. It is realized that many Forest users will not accept payment for subsistence and horse feed, but Forest officers should in all cases offer payment, and, when possible without great inconvenience, they should avoid stopping at ranches where the owners will not accept payment. Members of the Washington and District offices have reported that they have often found it difficult to reimburse rangers for the use of horses and for subsistence. While the charge for these items is generally small, it is only just that rangers should accept payment for these accommodations.

Rangers' Requisitions for Supplies—

It is suggested that, so far as possible, requests by rangers for stationery, forms, and other supplies be made in the shape of a requisition on the supervisor, using the regu-

lar Form 668. This will do away with considerable correspondence due to requisitioning supplies at short intervals. By using Form 668 the supervisor will be able to keep a check on the amount of material used by the rangers, which will furnish him with a guide to be used in requisitioning supplies from the Supply Depot.

SILVICULTURE.

Supervisors' Libraries—

There is no special form upon which requisitions for library books must be made by supervisors. Such requisition should be made by letter, which should be sent in duplicate to the District Forester. The original letter should then be indorsed by the District Forester and forwarded to the Washington office. The duplicate is retained in the District files.

Silvical Reports Due January 15—

The date for the submittal of the annual silvical report by technical assistants will hereafter be January 15, instead of April 1. It is believed that in this way the data collected during the field season can be worked up while they are still fresh in the mind of the observer, and that a better report, more promptly available for application during the following field season, will result.

The Unnecessary Blazing of Trees—

Great care should be exercised by all Forest officers to avoid the unnecessary blazing of trees on National Forests, because of the damage done to the trees and the possible confusion with legal surveys. Posters to mark the boundaries of timber-sale areas and areas closed to sheep grazing may be obtained upon requisition. These do away with the necessity of blazing trees for this purpose. In the necessary survey of lines great care should be observed not to blaze trees until the final line has been located. Rangers' districts, grazing allotments, etc., can be designated as well by posters as by the blazing of trees.

GRAZING.

Report on the Death of Live Stock from Various Causes—

Forest rangers and guards should keep a record of the number of each kind of stock found dead within their districts, together with the probable cause of death, listing them, as far as possible, under one of four causes: Accident, disease, poison, or wild animals. Where the cause is not known or can not be ascertained, the loss should be attributed to disease. This information should be included in the monthly report to the supervisor.

Canceled Permits—

When grazing permits are canceled and the papers retained in the files as closed cases, this cancels the numbers also, and they should not be used again that year. In all other cases numbering should be in accordance with the instructions in the May Field Program.

SERVICE ORDERS.

SERVICE ORDER 28.

MAY 5, 1909.

Changes in Procedure.

DISTRICT OFFICES.

This order will take effect immediately. All instructions in the Use Book and the Manual of Procedure not in accordance with it are hereby so amended.

ENGINEERING.

The records of progress upon and expenditures under individual improvement projects now maintained in District offices will be discontinued. Hereafter, permanent improvement work will be handled through much more frequent field supervision and consultation with Forest officers on the ground. When it becomes necessary to consult detailed records, those in Supervisors' offices will be used.

Supervisors will submit annually on March 1 estimates for permanent improvements for the ensuing fiscal year. The projects recommended will be briefly described, so that they may be located readily upon the map showing the complete plan for all needed improvement work upon the Forest concerned. The total estimated cost of each project will be given, without further detail. Except in rare cases of emergency, all Supervisors' estimates for permanent improvements must have thorough consideration on the ground by an executive officer from the District office before the estimates are finally submitted as a basis for allotment.

Allotments to Forests for permanent improvements will be based on careful consideration of the projects recommended, but will be in a lump sum, no record being kept in District offices of allotments to individual projects or of the progress of work upon them. This entails the discontinuance of the card record of approved projects now kept in District offices and of Supervisors' monthly progress reports on Form 283. Supervisors may, on their own initiative, transfer funds from one approved project to another, but no project approved for the year will be abandoned unless its abandonment has been ap-

proved by the District Forester. Transfers from allotments for approved projects may also be made by Supervisors, without further authority, to new projects, provided the cost of the latter in no case exceeds \$100. The procedure for recording permanent improvement work in Supervisors' offices will remain unchanged.

Supervisors' requisitions for supplies and equipment needed in permanent improvement work will no longer be sent through the District office, but direct to the Ogden Supply Depot or to the contractor, as the case may be.

Supervisors will make annually, on September 1, a report upon permanent improvement work for the preceding fiscal year, which will give by classes of improvements for the Forest the number or mileage of completed projects, the average cost per unit or per mile, and the total cost; the number or mileage of uncompleted projects and the average amount per unit or per mile already expended, and summarized by classes the total number or mileage and the average and total cost for completed and uncompleted projects separately.

The report on permanent improvements by each District Forester to the Forester will be made annually, on October 1, instead of quarterly as at present. All improvements must have been inspected or noted as not inspected in that report. It will follow the form which the Manual prescribes, except that the expression in percentage of the state of completion of uncompleted projects will be omitted. The report will be made upon sheets for insertion in the Atlas, one copy being placed in the District Atlas and the other sent to the Forester.

SPECIAL USES.

Copies of special-use permits issued by Supervisors will no longer be sent to District offices. But when a special-use permit entails a bond, the latter will be sent to the District office for approval before it is accepted by the Supervisor.

The responsibility for notifying permittees of payments due in all classes of special-use cases will be placed directly upon Supervisors. Index and calendar card records of individual special-use permits will no longer be maintained in District offices. In addition to the index card record of special-use permits now kept by Supervisors, they will keep a collection calendar record in accordance with the procedure prescribed for District offices on page 45 of the Manual of Procedure. All collection calendar records of special-use permits in District offices will be transferred to the Supervisors concerned.

Supervisors will report annually on September 1 for the preceding fiscal year, giving separately, by classes, the number of special-use permits issued by them, and the total acreage or mileage involved for each class.

The District Forester's report on special uses to the Forester will follow the form prescribed by the Manual of Procedure, but will be made annually, on October 1, instead of semiannually as at present. All special uses must have been inspected or noted as not inspected in the report.

CLAIMS.

Hereafter Supervisors will approve and send direct to the Chief of Field Division, without comment, all reports on claims which clearly and sufficiently show to the satisfaction of the Supervisor (a) the claimant's good faith and (b) that the land concerned is not needed for National Forest purposes. Copies of such reports will not be sent to the District office. All other reports on claims will be transmitted by the Supervisor to the District Forester as hitherto. Individual records of claims cases will be kept in the District office only for the latter class.

TIMBER SALES.

Records in Class A and unadvertised Class B sales will be discontinued in District offices. In such sales neither Form 861 nor Form 820 will be sent to the District office. Supervisors will, without notifying the District office, close cases and grant extensions of time in sales of the above classes.

Records in the District office of advertised Class B sales may be discontinued for any Forest by special order of the District Forester. Supervisors to whom this responsibility is entrusted will send no papers in these sales to the District office.

Supervisors will report monthly for their forests the data called for in the report of the District Forester to the Forester upon timber sold and cut. (Manual of Procedure, p. 82.)

All timber sales inspected must be so noted in the District Forester's reports to the Forester on timber sold and cut.

Copies of papers in Supervisors' sawmill permits will not be sent to the District office; but when the permit entails a bond the latter will be sent to the District office for approval before it is accepted by the Supervisor.

NOTIFICATION OF RECEIPT.

In the case of all payments except grazing fees, the original and one carbon of the Notification of Receipt (Form 26) will be sent by the District Fiscal Agent direct to the Supervisor concerned.

GIFFORD PINCHOT, *Forester.*

SERVICE ORDER 29.

MAY 6, 1909.

Economy.

The President has strongly emphasized the necessity for the prompt enforcement of every economy consistent with efficiency, throughout the Executive Departments. The Forest Service, in common with the other branches of the Department of Agriculture, has been called upon by the Secretary to take up with even greater vigor than before the application of all reasonable economy in its expenditures. This is of the first importance and must have the vigorous cooperation of every member of the Service. It involves careful scrutiny of proposed expenditures, not only in estimates and plans for work but in the work itself.

I want particular attention given to effecting all practicable saving in traveling expenses. This means careful planning of field and other trips so that the minimum expense for transportation is involved, and the elimination of all unnecessary travel. Transfers of members of the Service in any capacity, from one office or station to another, must be thoroughly considered not merely in the light of their desirability but also of the actual cost involved. There must be consistent avoidance of any lavishness whatever in scale of expenditure.

The same principles govern the use of instruments, equipment, and supplies. No man's work must be hampered by the lack of them, so far as the resources of the Service permit, but wastefulness in the use of Government property in any respect counts directly against efficiency. Economy in getting results will be reckoned weightily to the credit of the men who achieve it.

GIFFORD PINCHOT, *Forester.*

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United States Department of Agriculture, FOREST SERVICE.

GIFFORD PINCHOT, Forester.

INDEX TO SERVICE NOTES AND ORDERS IN THE FIELD PROGRAMS, JULY, 1908, TO JUNE, 1909.

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